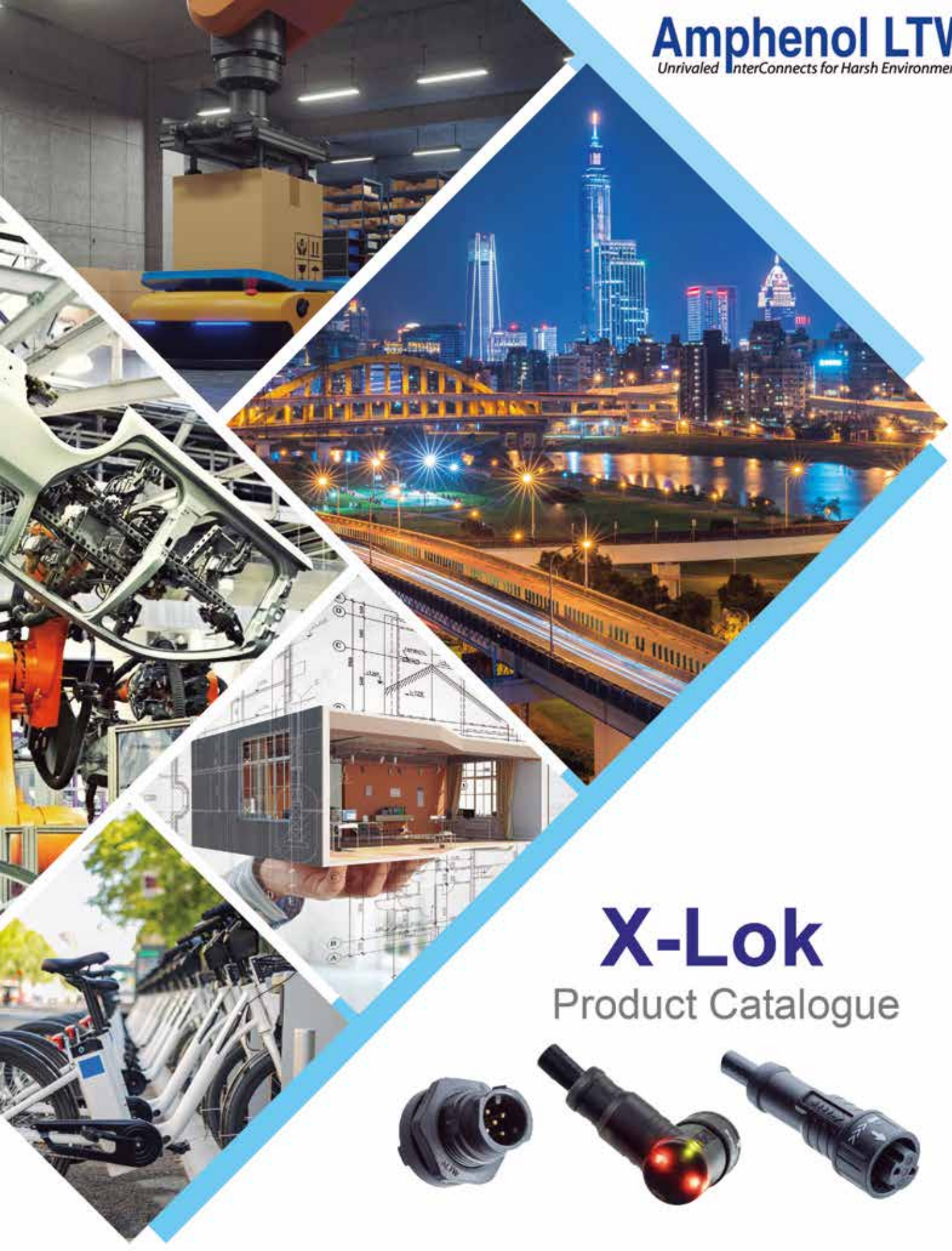
Amphenol LTW®
Unrivaled InterConnects for Harsh Environments



X-Lok

Product Catalogue

(V042924)

- Spring loaded Push Lock Design
- Power AC/DC, Data, Signal, Hybrid
- Saving On-Site Installation Time & Costs
- Exponentially Increase Installation Outputs
- Eliminating Workmanship Errors

IP 68 · UL 94-V0 · RoHS Compliant · REACH Compliant

Audible Feedback · UV Resistant · UL 1977 UL 2238 + 50e · Push Lock

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Product Selection Guide

Circular (Ceres, X-Lok, M)

	Mating Style						Materials	No. of Contacs	Contacts		Operating Voltage (AC/DC)	Nominal Current	Applicable Wires (AWG)	Mating Cycles (Pin Contact)	High Speed		Salt Spray (Connector, Mated)
	2 Points Lock	3 Points Lock	Push Lock	Push Pull	Screw Thread	Others			Gold Plated	Silver Plated					Cat. 5e	Cat. 6A	
Ceres Series																	
Mini	•				•		B	2-6	•		250V	2A-5A	26-24	2,000			500h
Standard	•				•		B	2-12	•		250-600V	2A-10A 5A+2A 10A+5A	26-20	2,000			500h
Middle	•	•			•		P	2-18	•	•	250-600V	2A-20A 5A+2A 10A+2A 10A+5A	24-14	2,000			500h
Large	•				•		B	2-22	•	•	250-600V	2A-20A 20A+2A 20A+5A	26-16	2,000			500h
Macro	•						P	31	•		200V	5A	26	2,000			500h
PLD			•				P	2-4	•		250V	5A	26-20	2,000			500h
MAB	•						P	4	•		250V	10A	20	2,000			500h
GBD		•					P	8	•		250V	10A+5A	20-24	2,000			500h
X-LOK Series																	
Mini / LED			•				B	2-33	•		30-630V	0.5A-16A	32-14	1,000	•	•	1000h
Standard			•				P	2-8	•		300-600V	5A-10A 10A+5A	26-16	1,000			1000h
Middle			•				P	2-12	•	•	300-600V	5A-20A 10A+5A	26-12	1,000			1000h
Large			•				B	2-100	•	•	60V (0.5A) 300-600V	0.5A-20A 20A+5A 50A 50A+5A	32-6	1,000			1000h
Macro			•				P	4-31	•	•	300-600V	5A 50A+5A 80A+5A	22-2	1,000			1000h
M Series																	
M5					•		M	3-6	•		60V	1A	28-26	1,000			48h
Guided M8 / LED					•	Snap-in	B	2-6	•		30-60V	2A-4A 3A+1.5A	24-22	1,000			48h
M8 / LED					•	Snap-in	B	3-13	•		30-60V	0.5A-4A	32-22	1,000			48h
M10.5					•		M	2-5	•		30V	2A	24	1,000			48h
M12 A / LED				•	•		B	3-28	•		30-250V	0.5A-4A	30-22	1,000	•		48h
M12 B / LED				•	•		B	5	•		60V	4A	26-22	1,000			48h
M12 D / LED				•	•		B	4	•		250V	4A	26-22	1,000	•		48h
M12 I				•	•		B	5	•		60V	4A	22	1,000			48h
M12 K / LED				•	•		B	3-5	•		630V	12A, 16A	14	1,000			48h
M12 L / LED				•	•		B	2-5	•		63V	16A	14	1,000			48h
M12 M / LED				•	•		B	3-6	•		630V	8A	16	1,000			48h
M12 S / LED				•	•		B	3-4	•		630V	12A	16	1,000			48h
M12 T / LED				•	•		B	2-4	•		63V	12A	16	1,000			48h
M12 X				•	•		M	8	•		30-60V	0.5A	26	1,000		•	48h
M12 Y				•	•		B	8	•		60V	0.5A / 6A	20, 26	1,000			48h
M23					•		M	6	•		600V	28A	14-12	1,000			48h

Remarks:
Materials: **P** (Plastic), **M** (Metal), **B** (Both)

Product Selection Guide

	(R0) Receptacle							(FI) Field Installable													
	Solder	Crimp	SMT	PCB 180	PCB 90	RW	RC	Solder	Crimp	Screw In	Push In	IDC	OC	UV Resistant	UL 94V-0	Vibration	EMI Option	ROHS 2.0 & REACH	Standard / Compliant	Certifications	Operating Temperature & IP Rating
Ceres Series																					
Mini	•			•			•	•					•	•	•	(2)	•	•			
Standard	•			•	•		•	•	•				•	•	•	(2)	•	•		UL1977	◦ **R0**: -40°C - 105°C, IP67 (Unmated)
Middle	•			•			•	•	•				•	•	•	(2)		•		UL1977	◦ **RW**: -20°C - 85°C, IP67 (Unmated)
Large	•			•				•	•	•			•	•	•	(2)	•	•		UL1977	◦ **OC**: -20°C - 85°C, IP67 (Mated)
Macro	•			•									•	•	•	(2)		•		UL1977	◦ **FI**: -40°C - 105°C, IP67 (Mated)
PLD	•							•						•	•	(2)		•			
MAB													•	•	•	(2)		•			
GBD													•	•	•	(2)		•			
X-LOK Series																					
Mini / LED	•			•	•			•	•	•	•		•	•	•	(2)	•	•			
Standard	•			•				•	•	•	•		•	•	•	(2)	•	•			
Middle	•			•				•	•	•	•		•	•	•	(2)		•		CSA, UL1977, UL2238, UL50e	◦ **R0** & **RW**: -40°C - 105°C, IP68 (Unmated)
Large	•			•				•	•	•	•		•	•	•	(2)	•	•			◦ **OC** & **FI**: -40°C ~ 105°C, IP68 (Mated)
Macro	•	•		•					•	•			•	•	•	(2)		•			
M Series																					
M5	•			•	•	•							•	•	•	(1)		•	IEC 61076-2-105		
Guided M8 / LED	•		•	•	•	•		•	•	•		•	•	•	•	(1)	•	•			
M8 / LED	•		•	•	•	•		•	•	•		•	•	•	•	(1)	•	•	IEC 61076-2-104	UL1977, UL2238	
M10.5	•					•							•	•	94-HB	(1)		•			
M12 A / LED	•		•	•	•	•		•	•	•	•	•	•	•	•	(1)	•	•	IEC 61076-2-101	UL1977, UL2238, UL1863	◦ **R0**: -40°C ~ 105°C, IP67 (Mated / Unmated), IP68 (Unmated), IP69K (Mated)
M12 B / LED	•		•	•	•	•		•	•	•	•	•	•	•	•	(1)	•	•	IEC 61076-2-101	UL1977, UL2238	
M12 D / LED	•		•	•	•	•		•	•	•	•	•	•	•	•	(1)	•	•	IEC 61076-2-101	UL1977, UL2238, UL1863	◦ **RW**: -20°C ~ 85°C, IP67 (Mated / Unmated), IP68 (Unmated), IP69K (Mated)
M12 I	•			•				•					•	•	94-HB	(1)		•			
M12 K / LED	•		•	•	•	•		•	•	•			•	•	•	(1)		•	IEC 61076-2-111	UL1977, UL2237	
M12 L / LED	•		•	•	•	•		•	•	•			•	•	•	(1)		•	IEC 61076-2-111	UL1977, UL2238	◦ **OC**: -20°C ~ 85°C, IP67 / IP68 (Mated)
M12 M / LED	•		•	•	•	•		•	•	•			•	•	•	(1)	•	•	IEC 61076-2-111		
M12 S / LED	•		•	•	•	•		•	•	•			•	•	•	(1)		•	IEC 61076-2-111	UL1977, UL2237	◦ **FI**: -40°C ~ 105°C, IP67 / IP68 (Mated)
M12 T / LED	•		•	•	•	•		•	•	•			•	•	•	(1)		•	IEC 61076-2-111	UL1977, UL2238	
M12 X			•	•	•	•		•	•			•	•	•	•	(1)	•	•	IEC 61076-2-109	UL1863	
M12 Y				•	•	•		•					•	•	•	(1)	•	•	IEC 61076-2-109	UL1863	
M23		•							•				•	•	•	(1)	•	•			

Remarks:
Assemble Style: **R0** (Receptacle), **RW** (Receptacle With Wires), **RC** (Receptacle With Overmolded Cable), **OC** (Overmolded With Cables), **FI** (Field Installable)
Vibration: **(1)** 10-500 Hz @Amplitude 0.35mm; **(2)** 10-55Hz @Amplitude 1.52mm
Operation Temperature & IP Rating: **R0** (Receptacle), **RW** (Receptacle With Wires), **OC** (Overmolded With Cables), **FI** (Field Installable)

Product Selection Guide

Circular (FLOS, Power, RBL)

	Mating Style						Materials	No. of Contacs	Contacts		Operating Voltage (AC/DC)	Nominal Current	Applicable Wires (AWG)	Mating Cycles (Pin Contact)	Salt Spray (Connector, Mated)	(R0) Receptacle		
	2 Points Lock	3 Points Lock	Push Lock	Push Pull	Screw Thread	Others			Gold Plated	Silver Plated						Solder	Crimp	Screw In
FLOS Series																		
B				•			M	2-32	•		160-700V	1.5A-25A	28-16	5,000	144h	•		
K				•			M	2-32	•		160-700V	1.5A-25A	28-16	5,000	144h	•		
K (FLOS+)				•			M	2-32	•		160-700V	1.5A-25A	28-16	5,000	1000h	•		
C				•			M	2-19	•		160-700V	1.5A-20A	28-16	3,000	144h	•		
S				•			M	1	•		260-1000V	15A	28-16	3,000	144h	•		
Y				•		Break Away	M	2-26	•		260-1000V	5A-14A	28-16	5,000	96h	•		
P				•			P	2-14	•		200-400V	2A-10A	28-16	2,000		•		
N				•			M	2-19	•		200-800V	5A-22A	28-16	3,000	144h	•		
Power Series																		
PWE					•		P	5-7	•		277V	8A	20-17	500	500h	•		
PWF					•		P	2-4	•		277V	12A	18-15	500	500h	•		
PWG					•		P	4	•		277V	16A	18-14	500	500h			•
PWC	•	•					P	3	•		277V	20A	14-12	500	500h	•		
PWCU	•	•					P	4 & 12	•		277V	20A+2A	14-12, 24-22	500	500h	•		
PWH		•			•		P	3, 5	•		660V (AC) 1000V (DC)	25A	12	500	500h		•	•
PWL		•					P	3	•		300V	30A	14-8	500	500h			•
PWM		•					P	2	•		600V	50A	9-8	500	720h	•		
PWMU		•					P	2+2, 2+4	•		600V	50A+2A	9-8, 22-20	500	720h	•		
PWN		•					P	2	•		600V	70A	8-6	500	720h	•		
PWNU		•					P	2+2, 2+4	•		600V	70A + 2A	8-6, 22-20	500	720h	•		
PWP		•					P	2 & 3	•		600V	80A	4	500	720h		•	
PWPD		•					P	2+2, 2+4, 3+2, 3+4	•		600V	80A+5A	4, 20	500	720h		•	
PWX		•					P	9 (30A) 14 (30A+5A) 5 (50A) 12 (50A+5A) 4 (80A) 7 (80A+5A)		•	300-600V	30A, 30A+5A 50A, 50A+5A 80A, 80A+5A	22-20, 14-8, 9-8, 4	500	720h		•	
RBL Series																		
Middle			With Latch				P	2-9	•		300V	5A-10A 10A+5A	20-16	250	48h			
Large			With Latch				P	2-18	•		300V	5A-20A 20A+5A	24-12	250	48h			

Remarks:
Materials: **P** (Plastic), **M** (Metal)
Assemble Style: **R0** (Receptacle)

Product Selection Guide

	(R0) Receptacle		RW	(FI) Field Installable			OC	UV Resistant	UL 94V-0	Vibration	EMI Option	ROHS 2.0 & REACH	Certifications	IP Rating	Operating Temperature
	PCB 180	PCB 90		Solder	Crimp	Screw In									
FLOS Series															
B	•	•		•	•		•		•	(2)	•	•		IP50 (Mated)	
K	•	•		•	•		•		•	(2)	•	•		IP68 (Mated)	
K (FLOS+)	•	•		•	•		•		•	(2)	•	•		**R0:** IP68 (Unmated) **OC:** IP68 (Mated) **FI:** IP68 (Mated)	◦ **R0**: -40°C - 125°C
C	•	•		•	•		•		•	(2)	•	•		IP68 (Mated)	◦ **OC**: -20°C - 85°C
S	•	•		•	•		•		•	(2)	•	•		IP50 (Mated)	◦ **FI**: -40°C - 125°C
Y	•	•		•	•		•		•	(2)	•	•		IP68 (Mated)	
P	•	•		•	•		•	•	•	(2)		•		IP50 / IP66 (Mated)	
N	•	•		•	•		•		•	(2)	•	•		IP68 (Mated)	
Power Series															
PWE				•			•		94-HB	(2)		•	UL1977	IP67 / IP68	
PWF				•			•		94-HB	(2)		•	UL1977, TUV	IP67 / IP68	
PWG						•	•		•	(2)		•	UL1977	IP67 / IP68	
PWC				•		•	•	•	•	(2)		•	UL1977, TUV/UL2238	IP67 / IP68	
PWCU				•			•	•	•	(2)		•	UL1977, TUV	IP67 / IP68	
PWH					•	•	•	•	•	(2)		•	UL1977, UL6703A, TUV	IP67 / IP68	
PWL				•		•		•	•	(2)		•	UL2238/UL1977	IP67 / IP68	
PWM						•		•	•	(2)		•	UL1977	IP67 (Mated)	
PWMU						•		•	•	(2)		•	UL1977	IP67 (Mated)	◦ **R0**: -40°C - 105°C
PWN						•	•	•	•	(2)		•	UL1977	IP67 (Mated)	◦ **OC**: -20°C ~ 80°C
PWNU						•	•	•	•	(2)		•	UL1977	IP67 (Mated)	◦ **FI**: -40°C ~ 105°C
PWP					•			•	•	(2)		•	UL1977	IP67 (Mated)	
PWPD					•			•	•	(2)		•	UL1977	IP67 (Mated)	
PWX					•			•	•			•	UL1977	IP69K (Mated)	
RBL Series															
Middle			•		•		•	•	•	(2)		•	UL1977	**RW:** IP68 (Unmated) **OC:** IP68 (Mated) **FI:** IP67 (Mated)	◦ **RW**: -40°C ~ 105°C ◦ **OC**: -20°C ~ 80°C, Data: -20°C ~ 80°C Power: -20°C ~ 105°C Hybrid: -40°C ~ 105°C ◦ **FI**: -40°C ~ 105°C
Large			•		•		•	•	•	(2)		•			

Remarks:
Assemble Style: **R0** (Receptacle), **RW** (Receptacle With Wires), **OC** (Overmolded With Cables), **FI** (Field Installable)
Vibration: **(2)** 10-55Hz @Amplitude 1.52mm
Operation Temperature & IP Rating: **R0** (Receptacle), **RW** (Receptacle With Wires), **OC** (Overmolded With Cables), **FI** (Field Installable)

Product Selection Guide

Circular (HS-Lok, NMEA 2000, Mini, Heavy Duty Shielded)

	Mating Style		Materials	No. of Contacs	Contacts Gold Plated	Operating Voltage (AC/DC)	Nominal Current	Applicable Wires (AWG)	Mating Cycles (Pin Contact)	Salt Spray (Connector, Mated)	(R0) Receptacle			
	Push Pull	Screw Thread									Solder	PCB 180	PCB 90	RW
HS-Lok Series														
Q8	•		B	2-6	•	100V (DC), 300V, 300V (AC) + 100V (DC)	2A 5A 5A+2A	24-20	2,000	500h	•			
NMEA 2000														
Lite (Micro)	•	•	B	5	•	60V	4A	16*1P+20*1P 18*1P+22*1P 22*1P+24*1P	Push Pull 500, Screw Thread 1,000	Metal: 48h Plastic: 1,000h	•	•	•	•
Heavy (Mini)		•	M	4-5	•	600V	8A	15*1P+18*1P 16*1P+18*1P	1,000		•	•		
7/8" Mini														
7/8" Mini		•	M	2, 2+PE, 4, 4+PE, 6	•	600V	8A-13A	16	1,000	48h	•	•		•
Heavy Duty Shielded														
Heavy Duty Shielded		*	M	2-14	•	50-300V	5A-40A	22-8	1,000	48h / 500h	•			

Remarks:
Materials: **M** (Metal), **B** (Both)
Assemble Style: **R0** (Receptacle), **RW** (Receptacle With Wires)

Product Selection Guide

	(FI) Field Installable				OC	UV Resistant	UL 94V-0	Vibration	EMI Option	ROHS 2.0 & REACH	Certifications	IP Rating	Operating Temperature
	Solder	Crimp	Screw In	Push In									
HS-Lok Series													
Q8	•				•	•	•	(2)		•	UL2238, UL50e	**R0:** IP68 (Unmated) **OC:** IP68 (Mated) **FI:** IP68 (Mated)	◦ **R0:** -40°C - 105°C ◦ **OC:** -40°C - 105°C ◦ **FI:** -40°C - 105°C
NMEA 2000													
Lite (Micro)			•	•	•		•	(1)	•	•	NMEA 2000	**R0:** IP68 (Unmated) **RW:** IP68 (Unmated) **OC:** IP68 (Mated) **FI:** IP67 (Mated)	◦ **R0:** -40°C - 105°C ◦ **RW:** -20°C - 85°C ◦ **OC:** -20°C - 85°C ◦ **FI:** -40°C - 105°C
Heavy (Mini)			•	•	•		94-HB	(1)	•	•	NMEA 2000		
7/8" Mini													
7/8" Mini	•	•	•		•		•	(1)		•		**R0:** IP68 (Unmated) **RW:** IP68 (Unmated) **OC:** IP68 (Mated) **FI:** IP67 (Mated)	◦ **R0:** -40°C - 105°C ◦ **OC:** -40°C - 105°C ◦ **FI:** -40°C - 105°C
Heavy Duty Shielded													
Heavy Duty Shielded	•				•	•	94-HB	(1)	•	•		**R0:** IP68 (Unmated) **OC:** IP68 (Mated) **FI:** IP68 (Mated)	◦ **R0**: -40°C - 105°C ◦ **RW:** -20°C - 85°C ◦ **OC:** -20°C - 85°C ◦ **FI:** -40°C - 105°C

Remarks:
Assemble Style: **OC** (Overmolded With Cables), **FI** (Field Installable)
Vibration: **(1)** 10-500 Hz @Amplitude 0.35mm; **(2)** 10-55Hz @Amplitude 1.52mm
Operation Temperature & IP Rating: **R0** (Receptacle), **RW** (Receptacle With Wires), **OC** (Overmolded With Cables), **FI** (Field Installable)

Product Selection Guide

Other IO (RJ45, USB, D-Sub, SSL, HDMI, DVI)

	Mating Style					Materials	No. of Contacs	Gold Plated	Operating Voltage (AC/DC)	Nominal Current	Applicable Wires (AWG)	Mating Cycles (Pin Contact)	High Speed		
	2 Points Lock	3 Points Lock	Push Lock	Screw Thread	Others								Cat. 5e	Cat. 6A	USB 2.0
RJ45 Series															
Middle		•		•		B	8		44-57V (DC)	Max. 1.5A	Cat. 6A: 26 / Cat. 5e: 24	750	•	•	
Large / I-Adaptor	•	•		•		P	8		44-57V (DC)	Max. 1.5A	24	750	•		
ODVA	•					B	8		44-57V (DC)	Max. 1.5A	Cat. 6A: 26 / Cat. 5e: 24	750	•	•	
Self-Closing Cover						P	8		44-57V (DC)	Max. 1.5A		750	•	•	
USB Series															
Mini USB Type B				•		P		•	30V	1.5A	28*1P + 28*3C	5,000			•
Type A	•			•		B		•	30V	USB 2.0: 1.5A USB 3.2 Gen1: 1A	28*1P + 24*2C	1,500			•
Type B	•			•		B		•	30V	USB 2.0: 1.5A	28*1P + 24*2C	1,500			•
Micro USB Swift						M		•	30V (AC) 5V (DC)	1 & 5 Pin: 1.8A 2, 3 & 4 Pin: 1A		10,000			•
Micro USB Swift-MU					Snap-in	P		•	30V (AC) 5V (DC)	1 & 5 Pin: 1.8A 2, 3 & 4 Pin: 1A	28	10,000			•
Type C Swift-LP						M		•	30V (DC)	Up To 5A	32*1P + 24*1C + 28*1D	10,000			
Type C Swift-LA					Snap-in	P		•	30V (DC)	Up To 3A	32*1P + 24*1C + 28*1D	10,000			•
Type C Swift-GG				•		B		•	30V (DC)	Up To 5A	32*1P + 24*1C + 28*1D	10,000			
Type C Swift-XL			•			P		•	30V (DC)	Up To 3A	32*1P + 24*1C + 28*1D	10,000			
D-SUB Series															
Standard				•	Automated Latch	M	9, 15, 25, 37, 50*	•	125V (DC)	5A	24	500			
High Density				•	Automated Latch	M	15, 26, 44, 62*, 78*	•	125V (DC)	2A	26	500			
SSL Series															
SSL1.1			•			P	2-6	•	100V	3A	22	100			
SSL1.2			•			P	2-4	•	Wire: 250V Flat Cable: 300V	5A	22-18	Wire: 30 Flat Cable: 100			
HDMI Series															
Circular				•		P	19	•	30V (AC)	0.5A	26	500			
Rectangular			•		With Latch	P	19	•	30V (AC)	0.5A	26	500			
Mini-HDMI				•		P	19	•	30V (AC)	0.5A	30	500			
DVI Series															
DDD						M	25	•	40V (AC)	1.5A	28	100			
DDS						M	19	•	40V (AC)	1.5A	28	100			
DID						M	29	•	40V (AC)	1.5A	28	100			
DIS						M	23	•	40V (AC)	1.5A	28	100			

Remarks:
Materials: **P** (Plastic), **M** (Metal), **B** (Both)

Product Selection Guide

	High Speed USB 3.2 Gen1	High Speed USB 3.2 Gen2	Salt Spray (Connector, Mated)	R0	RW	RP	OC	FI	UV Resistant	UL 94V-0	Vibration	EMI Option	ROHS 2.0 & REACH	Standard / Compliant / Certifications	Operating Temperature & IP Rating
RJ45 Series															
Middle			48h	PCB 90 & 180, Jack 90 & 180		•	•	•	•	•	(2)	•	•	TIA/EIA-568, IEC 60603-7	◦ **R0:** -40°C - 105°C, IP67 (Unmated & Mated) ◦ **RP:** -20°C - 85°C, IP67 (Unmated & Mated) ◦ **OC:** -20°C - 85°C, IP67 (Mated) ◦ **FI:** -40°C - 105°C, IP67 (Mated)
Large / I-Adaptor			48h	PCB180, Jack 90 & 180		•	•	•	•	•	(2)	•	•	TIA/EIA-568, IEC 60603-7	
ODVA			48h	Jack 180		•	•	•	•	•	(2)	•	•	TIA/EIA-568, IEC 60603-7	
Self-Closing Cover			48h	•					•	•	(2)	•	•	TIA/EIA-568, IEC 60603-7	-40°C - 105°C, IP67 (Unmated)
USB Series															
Mini USB Type B			48h	•	•		•	•		94V-HB	(2)	•	•		◦ **R0:** -40°C - 105°C, IP67 (Unmated) ◦ **RW:** -20°C - 85°C, IP67 (Unmated) ◦ **OC:** -20°C - 85°C, IP67P (Mated) ◦ **FI:** -40°C - 105°C, IP67 (Mated)
Type A	•		48h	Type 1 & 2, Jack, PCB 180	•		•	Solder		•	(2)	•	•		
Type B	•		48h	Type 1 & 2, Jack, PCB 180	•		•	Solder		•	(2)	•	•		
Micro USB Swift			48h	•						•	(2)	•	•		-30°C - 80°C, IP67/IP68 (Unmated)
Micro USB Swift-MU			48h				•			•	(2)	•	•		-40°C - 80°C, IP67 (Mated)
Type C Swift-LP		•	48h	•						•	(2)	•	•		-40°C - 85°C, IP67 (Unmated)
Type C Swift-LA	•		48h	•			•			•	(2)	•	•		◦ **R0:** -40°C - 85°C, IP68 (Unmated) ◦ **OC:** -20°C - 85°C, IP67 (Mated)
Type C Swift-GG	•	•	48h	•			•			•	(2)	•	•		◦ **R0:** -40°C - 85°C, IP67 (Unmated) ◦ **OC:** -20°C - 85°C, IP67 (Mated)
Type C Swift-XL	•		48h				•			•	(2)	•	•		◦ **OC:** -20°C - 85°C, IP68 (Mated)
D-SUB Series															
Standard			8h	Solder, PCB 90& 180			•	Solder, Crimp			(2)	•	•		◦ **R0:** -40°C - 105°C, IP68 (Unmated) ◦ **OC:** -20°C - 85°C, IP67P (Mated) ◦ **FI:** -40°C - 105°C, IP67 (Mated)
High Density			8h	Solder, PCB 90& 180			•	Solder, Crimp			(2)	•	•		
SSL Series															
SSL1.1				•			•			•	(2)		•	CSA C22.2, UL1977	-40°C - 105°C, Non-IP
SSL1.2				•			•	•	•	•	(2)		•	CSA C22.2, UL1977, cUL UL2238+UL50e	-40°C - 105°C, IP68 (Mated)
HDMI Series															
Circular			48h	•			•			94V-HB	(2)	•	•		◦ **R0:** -20°C - 85°C, IP67 (Unmated) ◦ **OC:** -20°C - 85°C, IP67P (Mated)
Rectangular			48h	•			•			94V-1	(2)	•	•		
Mini-HDMI			48h	•			•			•	(2)	•	•		
DVI Series															
DDD			8h	•			•				(2)		•		◦ **R0:** -40°C - 105°C, IP68 (Unmated) ◦ **OC:** -20°C - 85°C, IP67P (Mated)
DDS			8h	•			•				(2)		•		
DID			8h	•			•				(2)		•		
DIS			8h	•			•				(2)		•		

Remarks:
Assemble Style: **R0** (Receptacle), **RW** (Receptacle With Wires), **RP** (Receptacle With Pigtail), **OC** (Overmolded With Cables), **FI** (Field Installable)
Vibration: **(2)** 10-55Hz @Amplitude 1.52mm
Operation Temperature & IP Rating: **R0** (Receptacle), **RW** (Receptacle With Wires), **RP** (Receptacle With Pigtail), **OC** (Overmolded With Cables), **FI** (Field Installable)

Product Selection Guide

Other IO (Fiber, RF)

	Mating Style		Materials	No. of Contacs	Gold Plated	Operating Voltage (AC/DC)	Applicable Wires (AWG)	Mating Cycles (Pin Contact)	Salt Spray (Connector, Mated)	R0
	3 Points Lock	Screw Thread								
Fiber Optic Series										
LC	•								48h	•
SC	•								48h	•
RF Series										
SMA Type		•	M	1	•	335 Volts RMS At Sea Level	1.13mm, 1.32mm, 1.37mm, RG178	500	48h	•
N Type		•	M	1	•	1,000 Volts RMS At Sea Level	1.13mm, 1.32mm, 1.37mm, RG142, RG178, G58 A/U	500	48h	•

Other (ZConnect, Cable Joiner, Cable Gland, Pressure Relief Vent, LED)

	Mating Style			Materials	No. of Contacs	Contacts				Operating Voltage (AC/DC)	Nominal Current	Applicable Wires (AWG)	Salt Spray (Connector, Mated)
	Push Lock With Latch	Screw Thread	Others			Gold Plated	Nickel Plated	Thermo plastic	SUS316L				
ZConnect Series													
FPC / FFC / WTB			Quick Plug	B	46, 36, 20, 18, 12	•				120V	1A		48h
Cable Joiner Series													
M20		•		P	None, 4	•					10A	22-16	
M32	•			P	None, 4	•					15A-30A	16-10	
FICX I Tube (11)		•		P	2-5		•			450V (Non-UL) 600V (UL)	16A-30A	20-12	
FICX I Tube (12)		•		P	2-5		•			450V (Non-UL) 600V (UL)	8A-20A	18-12	
FICX XI Tube (13)		•		P	2-5		•			450V (Non-UL) 600V (UL)	8A-20A	18-12	
FICX T Tube (T2)		•		P	2-5		•			450V (Non-UL) 600V (UL)	10A-20A	20-12	
Cable Gland Series													
Cable Gland		•		B									
Pressure Relief Vent													
M6 Plastic		•		P				•					1,000h
M12 Snap-in		•		P				•					1,000h
M12 Stainless		•		M					•				1,000h
M12 Plastic		•		P				•					1,000h
M12 Metal		•		M			•						48h
LED Light Guide													
Ø3mm				B				•		4V			
Ø5mm				M				•		4V			

Remarks:
Materials: **P** (Plastic), **M** (Metal), **B** (Both)
Assemble Style: **R0** (Receptacle)

Product Selection Guide

	FI	UV Resistant	UL 94V-0	EMI Option	ROHS 2.0 & REACH	Standard / Compliant / Certifications	Operating Temperature & IP Rating
Fiber Optic Series							
LC	•	•	•		•		-40°C - 105°C, IP67 (Mated)
SC	•	•	•		•		-40°C - 105°C, IP67 (Mated)
RF Series							
SMA Type				•	•	MIL-C-39012	-40°C - 105°C, IP68 (Unmated)
N Type				•	•	MIL-C-39012	-40°C - 105°C, IP68 (Unmated)

	Receptacle	Field Installable	UV Resistant	UL 94V-0	Vibration	ROHS 2.0 & REACH	Certifications	IP Rating	Operating Temperature
ZConnect Series									
FPC / FFC / WTB				•		•			-40°C - 110°C, Non-IP
Cable Joiner Series									
M20		•	•	94V-2		•		IP67	-40°C - 105°C
M32		•	•	•		•	UL6703A	IP67	-40°C - 105°C
FICX I Tube (11)		•	•	•		•	CSA, UL2238	IP68 (Mated)	-40°C - 105°C
FICX I Tube (12)		•	•	•		•	CSA, UL2238	IP68 (Mated)	-40°C - 105°C
FICX XI Tube (13)		•	•	•		•	CSA, UL2238	IP68 (Mated)	-40°C - 105°C
FICX T Tube (T2)		•	•	•		•	CSA, UL2238	IP68 (Mated)	-40°C - 105°C
Cable Gland Series									
Cable Gland	•	•		94V-0 94V-2	(2)	•		IP67 (Mated) IP68 (Mated)	◦ **R0:** -20°C - 105°C ◦ **FI:** -20°C - 105°C
Pressure Relief Vent									
M6 Plastic	•		•	•		•		IP66, IP68	-40°C - 125°C
M12 Snap-in	•		•	•		•		IP68, IP69K	-40°C - 125°C
M12 Stainless	•		•	•		•		IP68, IP69K	-40°C - 125°C
M12 Plastic	•		•	•		•		IP68, IP69K	-40°C - 125°C
M12 Metal	•		•	•		•		IP68, IP69K	-40°C - 125°C
LED Light Guide									
Ø3mm	•							IP67	◦ **Red & Green:** -30°C - 80°C ◦ **Others:** -40°C - 80°C
Ø5mm	•							IP67	◦ **Red & Green:** -30°C - 80°C ◦ **Others:** -40°C - 80°C

Remarks:
Assemble Style: **FI** (Field Installable)
Vibration: **(2)** 10-55Hz @Amplitude 1.52mm
Operation Temperature & IP Rating: **R0** (Receptacle), **FI** (Field Installable)

Served Markets & Applications

Applications	Ceres	X-Lok	M series	FLOS & FLOS+	Power	RBL	HS-Lok	NMEA 2000	7/8" Mini	Heavy Duty Shielded	RJ45	USB	SSL	HDMI	DVI	Fiber Optics	Zconnect	RF	Cable Joiner	Cable Gland	Vent	LED Light Guide	D-Sub
LED Lighting																							
Architectural Lighting	•	•	•		•	•	•		•		•		•				•		•	•	•		
Outdoor LED Displays	•	•	•	•	•	•			•		•		•				•		•	•	•		
Outdoor Signage	•	•			•	•			•		•		•				•		•	•	•		
Entertainment Lighting & Systems	•	•			•	•	•		•		•		•				•		•	•	•		
Smart City, Street Lighting	•	•			•	•			•		•		•				•		•	•	•		
Tunnel Lighting	•	•	•		•	•			•		•		•				•		•	•	•		
Parking Lighting	•	•			•	•	•		•		•		•				•		•	•	•		
Cruise & Shipyards Lighting	•	•	•		•	•	•	•	•		•		•				•		•	•	•		
High Speed Train & EV Bus	•	•			•	•	•		•	•	•		•				•			•	•		
Commercial Lighting	•	•	•		•	•	•		•		•		•				•		•	•	•		
Refrigeration Lighting	•	•	•		•	•	•		•		•		•				•			•	•		
Horticulture Lighting	•	•	•		•	•			•		•		•				•		•	•	•		
Warehouse Lighting	•	•			•	•			•		•		•				•		•	•	•		
Emergency Lighting	•	•	•		•	•	•		•		•		•				•		•	•	•		
UV and Sanitary Lighting	•	•	•		•	•	•		•		•		•				•		•	•	•		
Li-Fi	•	•			•	•					•		•				•	•	•	•	•		
Hospital Surgical Lighting & Room	•	•	•		•	•	•		•		•		•				•		•	•	•		
ATEX Lighting	•	•			•	•	•						•				•						
Underwater / Submerged Lighting	•	•			•	•							•				•				•		
Marine																							
Multi-FunctionDisplay	•	•	•	•	•	•		•	•	•	•	•		•	•		•	•			•	•	•
Outboard Motors	•	•	•		•	•		•	•	•							•			•			
Bilge Pump	•	•	•		•	•		•	•	•							•			•			
Heater	•	•	•		•	•	•	•	•	•	•						•		•	•	•		
HVAC (Heating Ventilation Air Conditioning)	•	•	•		•	•	•	•	•	•	•						•		•	•	•		
Fridge	•	•	•		•	•	•	•	•	•							•						
Docking System	•	•	•		•	•		•	•	•							•			•			
Windlass	•	•	•		•	•		•	•	•							•			•			
Sensors	•	•	•		•	•		•	•	•							•						
RADAR	•	•	•		•	•	•	•	•	•	•	•					•	•					
Antenna			•				•	•	•	•							•	•					
USB Charger	•	•	•		•	•	•	•	•	•		•					•		•				
Audio System	•	•	•		•	•	•	•	•	•	•	•		•			•		•	•	•		
Lighting System	•	•	•		•	•	•	•	•	•	•	•	•	•			•		•	•	•		•
CCTV	•	•	•		•	•	•	•	•	•	•	•		•	•		•						
Power Controller	•	•	•		•	•		•	•	•							•		•	•	•		•
Autopilot System	•	•	•		•	•		•	•	•				•	•		•	•			•		•
Automatic Identification System	•	•	•		•	•	•	•	•	•	•			•	•		•	•			•		•
GPS, Beacon & Lifebuoy	•	•	•		•	•	•	•	•	•	•	•					•	•					
Sonar / Transducer	•	•	•					•	•								•						
Fish-Finders	•	•	•					•	•	•	•	•					•						
Chartplotter	•	•	•				•	•	•	•	•	•		•	•		•						•
Sailing Instruments	•	•	•					•	•	•	•	•		•	•		•				•		•
Shipyards & Cruise	•	•	•				•	•	•	•	•	•		•	•		•				•		•
Broadband Wireless Access																							
General Small Cells	•	•	•		•	•	•		•	•	•	•				•	•	•	•	•	•	•	•
RRH (Remote Radio Head)	•	•	•		•	•	•		•	•	•	•				•	•	•	•	•	•		
Wireless Mobile Backhaul	•	•	•		•	•	•		•	•	•	•				•	•	•	•	•	•		
High Capacity Mobile Subscriber Unit	•	•	•		•	•	•		•	•	•	•				•	•	•	•	•	•	•	
Outdoor Base Station Unit	•	•	•		•	•	•		•	•	•	•				•	•	•	•	•	•	•	
Outdoor LTE	•	•			•	•	•		•	•	•						•	•	•	•	•	•	
Outdoor AP	•	•	•		•	•	•		•	•	•	•				•	•	•	•	•	•		•
Subscriber Station	•	•			•	•	•		•	•	•					•	•	•	•	•	•	•	
Outdoor Wireless Mesh Router	•	•	•		•	•	•		•	•	•	•				•	•	•	•	•	•		
Base Station Power Supply	•	•		•	•	•	•		•	•							•	•	•	•	•	•	
Communication System														•			•						

Served Markets & Applications

Applications	Ceres	X-Lok	M series	FLOS & FLOS+	Power	RBL	HS-Lok	7/8" Mini	Heavy Duty Shielded	RJ45	USB	SSL	HDMI	DVI	Fiber Optics	Zconnect	RF	Cable Joiner	Cable Gland	Vent	LED Light Guide	D-Sub
Industrial Automation																						
Robotic Arm			•	•			•	•	•							•						
Industrial Server / Network	•	•	•	•	•		•	•	•	•	•		•	•	•	•	•			•	•	•
Industrial Forklifts (Truck)	•	•	•	•	•	•	•	•	•	•	•		•	•		•			•	•		•
AVI (Automatic visual inspection)	•	•	•	•			•	•	•							•						
Data Communication System	•	•	•	•	•		•	•	•	•	•		•	•		•	•			•	•	•
Industrial Control Center	•	•	•	•	•		•	•	•	•	•		•	•		•				•	•	•
Packaging Center	•	•	•	•			•	•	•							•						
Conveyors	•	•	•	•			•	•	•							•						
Sensors			•					•	•							•						
Power Distribution	•	•	•	•	•			•	•							•						
Actuators	•	•	•					•	•							•						
Motor Drives	•	•	•		•	•		•	•							•						
Industrial PC & Displays	•	•	•	•	•		•	•	•	•	•		•	•		•	•			•	•	•
Machine Tools	•	•	•	•	•			•	•							•						
Switches		•	•					•	•	•	•					•						•
Production Equipment	•	•	•	•	•	•	•	•	•	•	•					•				•	•	•
Renewable Energy																						
PV / DC Inverter	•	•	•		•	•		•	•	•						•		•	•	•	•	
Micro Inverter						•										•			•	•	•	
CSP & CPV	•	•	•		•	•		•	•							•			•	•	•	
Heliostat	•	•	•		•	•		•	•							•			•	•	•	
PV Trackers	•	•	•		•	•		•	•							•			•	•	•	
PV ICS (Integrated Control Systems)					•	•			•	•						•			•		•	
Portable Energy	•	•	•		•	•	•	•	•	•	•					•						
Communication System	•	•	•	•	•	•		•	•	•	•		•	•	•	•	•		•	•	•	•
PDC (Power Distribution Control)	•	•	•	•	•	•		•	•	•						•	•		•	•	•	•
Wind Turbine	•	•	•	•	•	•		•	•	•						•			•	•	•	•
Energy Storage System	•	•	•		•	•		•	•	•						•			•	•	•	
Tidal Power Generation System	•	•	•	•	•	•		•		•						•			•	•		•
Heavy Equipment																						
Electronic Toll System	•	•	•	•	•	•	•	•	•	•	•		•	•		•	•		•	•		•
Automotive Diagnotics	•	•	•	•	•		•	•	•	•	•	•	•	•		•	•				•	•
Agriculture Electronic Equipment	•	•	•	•	•	•	•	•	•	•	•		•	•		•	•		•	•		•
Lidar & Radar	•	•	•	•				•	•	•	•		•	•		•						
ADAS (Advanced Driver Assistance Systems)	•	•	•	•	•	•	•	•	•	•	•		•	•		•	•		•	•		•
Telematics & Tracking	•	•	•		•	•	•	•	•	•	•		•	•		•	•	•	•	•	•	•
Camera & Monitoring	•	•	•	•	•	•	•	•	•	•	•		•	•		•	•		•	•		•
Control System	•	•	•	•	•	•	•	•	•	•	•		•	•		•	•		•	•		•
Display	•	•	•	•	•	•	•	•	•	•	•		•	•		•	•		•	•		•
GPS System	•	•	•	•	•	•	•	•	•	•	•					•	•		•	•		
Lighting	•	•	•		•	•		•	•			•				•		•	•			
Measurement Systems	•	•	•	•	•	•	•	•	•	•	•		•	•		•	•		•	•		•
Sensors		•	•	•			•	•	•							•						
Automated Meter Reading																						
Water Meter	•	•	•	•			•			•	•					•	•		•	•	•	
Electricity Meter	•	•	•	•			•			•	•					•	•		•	•	•	
Gas Meter	•	•	•	•			•			•	•					•	•		•	•	•	
Alarm System	•	•	•	•			•			•	•					•	•		•	•	•	
Military Drone	•	•	•	•			•									•	•		•	•	•	
Vehicle Tracking	•	•	•	•			•			•	•					•	•		•	•	•	
Telemetry	•	•	•	•			•			•	•					•	•		•	•	•	
Sewage	•	•	•	•	•	•	•			•	•					•	•		•	•	•	
Rugged IT																						
Telemetry		•	•	•			•			•						•	•		•	•		
Rugged & Military VR and AR		•	•	•			•				•					•	•		•			
Rugged Notebook				•						•	•		•	•		•	•					•
Night Vision Goggles			•	•			•				•					•						
Miniature Camera											•					•	•					
Rugged Tablet											•		•	•		•	•					
Communication Devices				•						•	•		•	•		•	•				•	•

Served Markets & Applications

Applications	Ceres	X-Lok	M series	FLOS & FLOS+	Power	RBL	HS-Lok	7/8" Mini	Heavy Duty Shielded	RJ45	USB	SSL	HDMI	DVI	Zconnect	RF	Cable Gland	Vent	LED Light Guide	D-Sub
Test Equipments																				
Air Flow Measurement	•	•	•	•	•	•	•	•	•	•	•				•	•		•		
Gas Detectors	•	•	•	•	•	•	•	•	•	•	•				•	•		•		
Precision Surveying	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•		•		•
Earthquake Monitoring	•	•	•	•	•	•	•	•	•	•	•				•	•		•		
Humidity Measurement	•	•	•	•	•	•	•	•	•	•	•				•	•		•		
Leak Detectors	•	•	•	•	•	•	•	•	•	•	•				•	•		•		
Light Measuring	•	•	•	•	•	•	•	•	•	•	•				•	•		•		
Sound Measuring	•	•	•	•	•	•	•	•	•	•	•				•	•		•		
Water Measurement	•	•	•	•	•	•	•	•	•	•	•				•	•		•		
Weighing Devices	•	•	•	•	•	•	•	•	•	•	•				•	•	•	•		
Weigh Modules	•	•	•	•	•	•	•	•	•	•	•				•	•	•	•		
Heavy-duty Scales	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•		•		•
Floor Scales	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•		•		•
Wet Area Weighing	•	•	•	•	•	•	•	•	•	•	•				•	•		•		
Dosing Systems	•	•	•	•	•	•	•	•	•	•	•				•	•		•		
In-Motion Weighing	•	•	•	•	•	•	•	•	•	•	•				•	•		•		
Borescope	•	•	•	•			•	•	•	•	•				•	•		•		
Image Measurement	•	•	•	•	•	•	•	•	•	•	•				•	•		•		
Timers / Timer Display	•	•	•	•			•	•	•	•	•				•	•		•		
Laser Marking System	•	•	•	•	•	•	•	•	•	•	•				•	•		•		
Digital Microscopes	•	•	•	•			•	•	•	•	•				•	•		•		
Hybrid Electric Vehicles																				
Electric Wheelchair	•	•	•	•	•	•	•	•	•						•					
Electrical and Electronic Speed Control	•	•	•	•	•	•	•	•	•						•					
Electrical and Electronic Brake System	•	•	•	•	•	•	•	•	•						•					
Throttle Controller	•	•	•	•	•	•	•	•	•						•					
Battery Module	•	•	•		•			•	•	•	•	•			•		•	•		
Motor Module	•	•	•	•				•	•	•	•	•			•		•	•		
Gear Shift Module	•	•	•					•	•	•	•	•			•			•		
Controller Unit	•	•	•	•				•	•	•	•	•			•			•		
Charge Plug / Inlet	•	•			•			•	•	•	•	•			•			•		
Charging Station	•	•			•			•	•	•	•	•			•			•		
Home Charge Platform	•	•			•			•	•	•	•	•			•			•		
Hoverboard	•	•	•	•	•			•	•	•	•	•			•			•		
Electric Scooter	•	•	•	•	•	•	•	•	•						•		•			
Railway Mass Transit																				
Infotainment Systems	•	•	•	•	•	•	•	•	•	•	•		•	•	•		•	•	•	•
In-Vehicle Information System	•	•	•	•	•		•	•	•	•	•		•	•	•		•	•	•	•
Indication Display	•	•	•	•	•		•	•	•	•	•		•	•	•			•		•
Navigation/GPS	•	•	•				•	•	•	•	•		•	•	•	•				•
HVAC (Heating Ventilation Air Conditioning)	•	•	•	•	•		•	•	•	•					•					
Fuel Leakage Detector	•	•	•	•	•	•	•	•	•	•	•				•					
Broadcasting System	•	•	•	•	•		•	•	•	•	•				•		•			
Vehicle Monitoring	•	•	•	•	•		•	•	•	•	•		•	•	•			•		•
Cleaning Control	•	•	•	•		•	•	•	•	•	•				•					
Speedometer	•	•	•	•			•	•	•						•					
Interior Lighting	•	•	•	•	•		•	•	•	•	•	•			•			•		
Mobile Devices																				
DRC (Drone Remote Controller)	•	•	•	•			•				•				•	•				
Altimeter	•	•	•	•			•				•				•	•				
Barcode Reader	•	•	•	•			•				•				•					
GPS Safety Guard		•					•				•				•	•				
Portable Lamp	•	•					•				•				•					
Gesture Measurement	•	•					•				•				•					
Wearables											•				•	•				

Served Markets & Applications

Applications	Ceres	X-Lok	M series	FLOS & FLOS+	Power	RBL	HS-Lok	7/8" Mini	Heavy Duty Shielded	RJ45	USB	SSL	HDMI	DVI	Zconnect	RF	Cable Joiner	Cable Gland	Vent	LED Light Guide	D-Sub
Transportation																					
Vehicle Camera	•	•	•	•		•	•				•		•		•			•	•		
Switch			•							•	•				•						•
Dome Vehicle Camera	•	•	•			•									•						
RFID Reader															•	•					
Bus GPS	•	•	•	•		•	•			•	•		•	•	•	•					
Displayer	•	•	•	•		•									•						
Outdoor Speaker	•	•	•	•		•									•						
Automotive Winches															•						
Vehicle Charger	•	•	•			•									•						
Wifi Router										•					•						
Fleet Management	•	•	•	•		•									•						
Digital Video Surveillance System	•	•	•	•	•	•		•	•	•					•					•	
Medical Equipment																					
Medical Displays				•	•					•	•		•	•	•				•		•
Mobile Nursing Carts	•	•			•	•	•	•	•						•			•	•		
Non-invasive Devices	•	•		•	•	•	•	•	•	•	•		•	•	•			•	•		•
Electrical Beds	•	•	•		•	•		•	•						•			•	•		
Charges	•	•			•	•		•	•						•			•	•		
Wheelchair Lift	•	•			•	•		•	•						•			•	•		
Wheelchair Stair Lift	•	•			•	•		•	•						•			•	•		
Rehabilitation System	•	•			•	•		•	•						•			•	•		
Automotive Diagnostics																					
Auto Crash Notification	•	•	•	•	•	•	•	•	•	•	•				•	•					•
Vehicle Tracking	•	•	•		•	•	•	•	•		•				•	•			•		
Vehicle Health Alert & Roadside Assistance	•	•	•	•	•	•	•	•	•	•	•				•	•					•
Remote Vehicle Diagnostics	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			•	•	•
UAV																					
Commercial Drone	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•		•	•	•	•
Military Drone	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•		•	•	•	•
Consumer Drone	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•		•	•	•	•
Lifts & Materials Handling																					
Forklift	•	•	•	•	•	•	•	•	•	•	•		•	•	•			•	•	•	•
Industrial Lift	•	•	•	•	•	•	•	•	•	•	•		•	•	•			•	•	•	•
Materials Handling	•	•	•	•	•	•	•	•	•	•	•		•	•	•			•	•	•	•
Remote Video Response Center																					
Encoders	•	•	•	•	•		•	•	•	•	•		•	•	•	•			•	•	•
Monitoring Station	•	•	•		•	•		•	•	•	•		•	•	•			•			•
CCTV/Dome/IP Camera	•	•	•	•	•		•	•	•	•	•		•	•	•	•	•	•	•	•	•
Remote Control	•	•			•		•			•	•				•			•			
Junction Box	•	•			•					•	•		•	•	•			•	•		•
Automatic LPRS (License Plate Recognition System)	•	•	•	•	•		•	•	•	•	•		•	•	•	•	•	•	•	•	•
Fingerprint ID											•				•						
Alarm System	•	•	•	•	•		•			•	•		•	•	•	•	•	•	•	•	•
Sensor			•												•						
Autonomous																					
GPS	•	•	•	•			•	•	•	•	•		•	•	•	•					
Lidar	•	•	•	•			•	•	•	•	•		•		•			•	•		
Radar Sensors	•	•	•	•			•	•	•						•	•					
Video Cameras	•	•	•	•			•	•	•		•		•		•			•	•		
Central Computer	•	•	•	•			•	•	•	•	•		•		•						
Inertial Measurement Unit	•	•	•	•			•	•	•						•			•			
Inertial Navigation Systems	•	•	•	•			•	•	•						•	•		•			
Commercial Military																					
Tank				•																	
Aircraft				•																	
Warship				•																	
Dismounted Soldier				•																	
Software Defined Radios				•																	
Commercial Military				•											•						

We Are Amphenol LTW

Founded in 1993, Amphenol LTW is a leader in rugged and harsh environment interconnects with the largest array of I/O and products ranging from IP65 to IP69K. The company continually provides innovative interconnect solutions for ever-demanding environments and is proactively committed to contributing to a safer and greener environment. Amphenol LTW features interconnects for technologically advanced products with environmentally friendly results.

Amphenol LTW Technology & CNC Plant

- Headquarters: Taipei, Taiwan
- 150 Employees

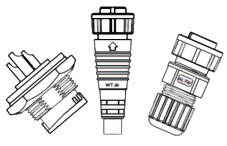
Kunshan Amphenol Zhengri Electronics

- Kunshan, China
- 400 Employees

110+
Amphenol Divisions

75+
Distribution Channels

30+
Market Applications



80,000+
Products

Visit our website for more information

Scan here

Our Capabilities

Both factories located in Taiwan and China are ISO9001:2015, ISO14001:2015, and UL certified. Our Test Laboratory is certified by TAF and is a member of UL WTDP reliable partner. Wherever required, most of our products are TUV/VDE, UL/CSA certified. Thanks to our strict standards, we are able to contribute to your projects and design exactly what you need. From standard to customized products, Amphenol LTW has the right solutions for your applications.

Test Laboratory Accreditations **Quality Assurance** **International Certifications**

Automated Production Line

Capability: Contacts, Parts, and Shells

Number of Automatic Machines: 11
Production Capacity : 125,000 pins per day (24 hours)

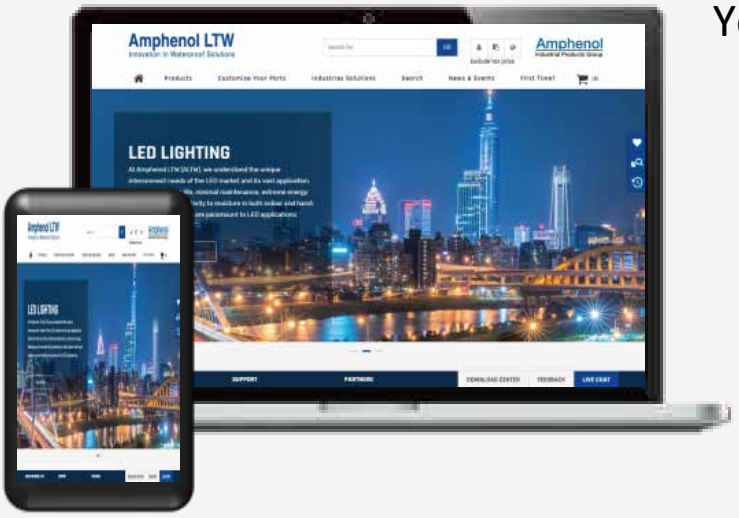
Number of CNC Machines: 33
Production Capacity : 125,000 pins per day (24 hours)

Kunshan Factory – Horizontal Injection Workshop

Molding Machines
Number of Machines: 17

Production Capacity : 3,400pcs/hr

Online Resources



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NEW

3^3 Single Pair Ethernet

Freedom of Choices and Budgets

3 Mechanical interfaces IP67 and above for industrial and ruggedized applications

3dom of choices for your needs and requirements

3 Budgets, pay for what you need

Features

» ALTW's proprietary SPE interface integrated in **M8 (G8) / M12 / FLOS+ / X-Lok**

» Providing low power & simply networking on end-point sensors

» Cost-effective, smaller & lighter than standard 4 pairs ethernet cable

» Compatible 10/100/1000 base-T1 data rates as existing technologies **

» Receptacle IP67 ***UNMATED*** waterproof, also available in double ended and field installable

» Vibration resistance 20g (10 ~ 2,000 Hz)

» Supports PoDL (Power Over Data Lines)

** 24~26 AWG Standard Length 15m

Part Number

X-Lok

A Size	AD-02BFFM-QL8P⑩ (Cable)
	AD-02BMMM-QL8P⑩ (Cable)
	AD-02PMMP-QC8001 (Receptacle)
	AD-02PMMS-QC8001 (Receptacle)

FLOS+

K Series	SLKC-S02FMMM-GCP-C⑩ (Cable)
	SLKC-S02EEFP-GCP-001 (Receptacle)

M Series

M8	M8-02BFFM-SL7C⑩* (Cable)	M12	M12A-02BFFM-SL8C⑩ (Cable)
	M8-02BMMM-SL7C⑩* (Cable)		M12A-02BMMM-SL8C⑩ (Cable)
	M8-02PFFP-SF7001* (Receptacle)		M12A-02PFFP-SF8001(Receptacle)
	M8-02PMMP-SF7001* (Receptacle)		M12A-02PMMP-SF8001(Receptacle)
	M8-02PFFS-SF7001* (Receptacle)		
	M8-02PMMS-SF7001* (Receptacle)		
G8	8A-02BFFM-SL7C⑩* (Cable)		
	8A-02BMMM-SL7C⑩* (Cable)		
	8A-02PFFP-SF7001* (Receptacle)		
	8A-02PFFS-SF7001* (Receptacle)		
	8A-02MMP-SF7001 (Receptacle)		
	8A-02PMMS-SF7001 (Receptacle)		

SPE

*** Upon Request**

⑩Cable Length: (**01**) 1M ~ (**15**) 15M.

Technical Support

Assistance

AIPG WeChat (ID: AIPG2020)
安费诺工业展品集团
微信公众号: AIPG2020

88677416888

Information

FAQ

Find answers to frequently asked questions at
https://www.amphenolltw.com/

Feedback

Any comments about the catalog?
Help us improve the catalog user experience by sharing your suggestions.
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X Lok Markets / Applications

LED

- Architectural Lighting
- ATEX Lighting
- Commercial Lighting
- Cruise & Shipyards Lighting
- Emergency Lighting
- Outdoor Signage
- Parking Lighting
- Refrigeration Lighting
- UV and Sanitary Lighting
- Train, Bus, Plane & Recreational Vehicles Lighting
- Entertainment Lighting & Systems
- Horticulture Lighting
- Hospital Surgical Lighting & Room
- Li-Fi
- Outdoor LED Displays
- Tunnel Lighting
- Smart Street Lights
- Warehouse Lighting
- Underwater / Submerged Lighting

Marine

- AIS
- Audio System
- Autopilot System
- Bilge Pump
- Chartplotter
- RADAR
- Sailing Instruments
- Power Controller
- Sensors
- Shipyards & Cruise
- Sonar / Transducer
- Docking System
- Fish-Finders
- Fridge & Refrigeration
- GPS, Beacon & Lifebuoy
- Heater
- Ligting System
- Multi-Function Display
- Outboard & Trolling Motors
- USB Charger
- Windlass
- HVAC (Heating Ventilation Air Conditioning)

Industrial Automation

- Actuators
- AVI (Automatic visual inspection)
- Communication System
- Conveyors
- Industrial Control
- Packaging
- Switches
- Industrial Forklifts
- Industrial Network
- Industrial PC & Displays
- Machine Tools
- Motor Drives
- Power
- Production Equipment

Heavy Equipment

- Automotive Diagnostics
- Camera & Monitoring
- Control System
- Display
- Electronic Toll System
- Agriculture Electronic Equipment
- Sensors, Lidar & Radar
- Lighting
- Measurement Systems
- GPS System
- Telematics & Tracking
- ADAS (Advanced Driver Assistance Systems)

Railway Mass Transit

- Infortainment Systems
- Interior Lighting
- In-Vehicle Information
- Navigation / GPS
- Speedometer
- Broadcasting System
- Cleaning Control
- Fuel Leakage Detector
- Vehicle Monitoring
- HVAC (Heating Ventilation Air Conditioning)
- Indication Display

Renewable Energy

- Communication System
- CSP & CPV
- DC Inverter
- Energy Storage System
- Heliostat
- PDC (Power Distribution Control)
- Portable Energy
- PV Inverter
- PV Trackers
- Tidal Power Generation System
- Wind Turbine

Hybrid Electric Vehicles

- Battery Module
- Charge Plug / Inlet
- Charging Station
- Controller Unit
- Electric Scooter
- Electric Wheelchair
- Electrical and Electronic Speed Control
- Gear Shift Module
- Home Charge Platform
- Hoverboard
- Motor Module
- Throttle Controller
- Electrical and Electronic Brake System

X Lok Markets / Applications

Medical

- Charges
- Electrical Beds
- Mobile Nursing Carts
- Non-invasive Devices
- Rehabilitation System
- Wheelchair Lift
- Wheelchair Stair Lift

Remote Video Response Center

- Encoders
- Junction Box
- Monitoring Station
- Remote Control
- Alarm System
- Automatic LPRS (License Plate Recognition System)
- CCTV / Dome / IP Camera

Test Equipment

- Air Flow Measurement
- Borescope
- Digital Microscopes
- Dosing Systems
- Earthquake Monitoring
- Sound Measuring
- Timers / Timer Display
- Water Measurement
- In-Motion Weighing
- Leak Detectors
- Precision Surveying
- Floor Scales
- Gas Detectors
- Heavy-duty Scales
- Humidity Measurement
- Image Measurement
- Weigh Modules
- Weighing Devices
- Wet Area Weighing
- Laser Marking System
- Light Measuring

Broadband Wireless Access

- Outdoor AP
- Outdoor Base Station Unit
- Outdoor LTE
- Outdoor Repeater
- Outdoor Wireless Mesh Router
- High Capacity Mobile Subscriber Unit
- RRH (Remote Radio Head)
- Subscriber Station
- Wireless Mobile Backhaul
- Base Station Power Supply
- General Small Cells

Autonomous

- Video Cameras
- Central Computer
- Radar Sensors
- Inertial Measurement Unit
- Inertial Navigation Systems
- Lidar
- GPS

Lifts & Materials Handling

- Forklift
- Industrial Lift
- Materials Handling

Mobile Devices

- Altimeter
- Barcode Reader
- Portable Lamp
- Gesture Measurement
- GPS Safety Guard
- DRC (Drone Remote Controller)

Rugged IT

- Rugged & Military VR and AR
- Telemetry

Automotive Diagnostics

- Auto Crash Notification
- Remote Vehicle Diagnostics
- Vehicle Health Alert & Roadside Assistance
- Vehicle Tracking

UAV

- Commercial Drone
- Consumer Drone
- Military Drone

Transportation

- Vehicle Camera
- Fleet Management
- Outdoor Speaker
- Vehicle Charger
- Dome Vehicle Camera
- Digital Video Surveillance System
- Bus GPS
- Displayer

Automated Meter Reading

- Electricity Meter
- Gas / Water Meter
- Sewage
- Telemetry
- Alarm / Vehicle System
- Military Drone

Product Range Overview

Sub-Series Name	Mini Size / Mini Size LED	Standard Size	Middle Size	Large Size	Macro Size
Mating Style	Push Lock	Push Lock	Push Lock	Push Lock	Push Lock
Plastic Version	✓	✓	✓	✓	✓
Metal Version	✓	-	-	✓	-
No. of Contacts	2 ~ 33	2 ~ 8	2 ~ 12	2 ~ 100	4 ~ 31
Plating of Contacts	Gold Plated	Gold Plated	Gold Plated Silver Plated	Gold Plated Silver Plated	Gold Plated Silver Plated
Transmission Rate	Cat. 5e / Cat. 6A*	-	-	-	-
Operating Voltage (AC / DC)	30 ~ 630V	300 ~ 600V	300 ~ 600V	60V (0.5A), 300 ~ 600V	300 ~ 600V
Nominal Current	0.5A ~ 16A	5A ~ 10A 10A + 5A	5A ~ 20A 10A + 5A	0.5A ~ 50A 20A + 5A 50A 50A + 5A	5A 50A + 5A 80A + 5A
Operating Temperature	• Receptacle & Receptacle With Wires: -40°C ~ 105°C • Overmolded With Cable: (1) Data Group: -20°C ~ 80°C (2) Power Group: -20°C~105°C (3) Hybrid Group: -40°C~105°C • Field Serviceable/Installable: -40°C ~ 105°C				
Fasten Style of Nut	Front	Front & Rear	Front & Rear	Front & Rear	Front
Receptacle	✓	✓	✓	✓	✓
Overmolded With Cable	✓	✓	✓	✓	✓
Field Serviceable/Installable	✓	✓	✓	✓	✓
Accessories	✓	✓	✓	✓	-
Applicable Wire Gauge	32 ~ 14AWG (0.03 ~ 2.5 mm^2)	26 ~ 16AWG (0.14 ~ 1.5 mm^2)	26 ~ 12AWG (0.14 ~ 4.00 mm^2)	32 ~ 12AWG (0.03 ~ 4.00 mm^2)	22 ~ 8AWG (0.34 ~ 10.00 mm^2)
Wire Gauge for UL Approval		5A: 20AWG 10A: 16AWG	5A: 20AWG 10A: 16AWG 20A: 12AWG	5A: 20AWG 20A: 12AWG	
Mating Cycles (Pin Contact)	1,000 Cycles				
IP Rating	Receptacle & Receptacle With Wires: IP68 (Unmated, 1M / 24h) Overmolded With Cable, Field Serviceable/Installable: IP68 (Mated, 1M / 24h)				
Salt Spray (Connector, Mated)	500h (Mated Condition)				
UV Resistant	✓	✓	✓	✓	✓
Flammability Rating	UL 94V-0				
Vibration	Frequency Range 10 ~ 55Hz / Amplitude 1.52mm				
EMI Option	✓	-	-	✓	-
RoHS 2.0 Compliant	✓	✓	✓	✓	✓
REACH Compliant	✓	✓	✓	✓	✓
Certificates	CSA, UL1977, UL2238, UL50e, TUV				
Standard / Compliant	✓	✓	✓	✓	✓

Contact Configuration

	Mini Size **(A)**										Standard Size **(B)**									
	Data								Power		Data				Power				Hybrid	
	0.5A (AY)* (ASY)*	1.5A (AZ)	1.5A (ASZ)*	2A (AU) (ASU)*	5A (AD) (ASD)*		LED 5A (LAD)		16A (AG) (ASG)*		5A (BD)		10A (BB)		5A (BD)		10A (BB)		10A+5A (BBD)	
	MM/FF	MM/FF	MM/FF	MM/FF	MM/FF	MF/FM	MM/FF	MF/FM	MM/FF	MJ/FG	MM/FF	MF/FM	MM/FF	MF/FM	MM/FF	MF/FM	MM/FF	MF/FM	MM/FF	MF/FM
2 Pin					R C F	R C F	R C F	R C F			R C F	R C F	R C	R C			R C F	R C F		
3 Pin					R C F	R C F	R C F	R C F	R C F	R C F	R C F	R C F	R C	R C	R C	R C	R C F	R C F	R C	R C
4 Pin					R C F		R C F		R C F	R C F	R C F	R C F	R C				R C F		R C	R C
5 Pin					R C F		R C F		R C F	R C F	R C F	R C F							R C	R C
6 Pin				R C F							R C F	R C F							R C	R C
7 Pin											R C F									
8 Pin	R C F			R C F							R C F									
9 Pin																				
10 Pin		R C F	R C F																	
11 Pin																				
12 Pin		R C F	R C F																	
14 Pin																				
17 Pin		R C F	R C F																	
18 Pin	R C F																			
24 Pin	R C F																			
30 Pin	R C F																			
31 Pin																				
33 Pin	R C F																			
78 Pin																				
100 Pin																				

***Upon Request** R: Receptacle C: Overmolded with Cable F: Field Serviceable/Installable

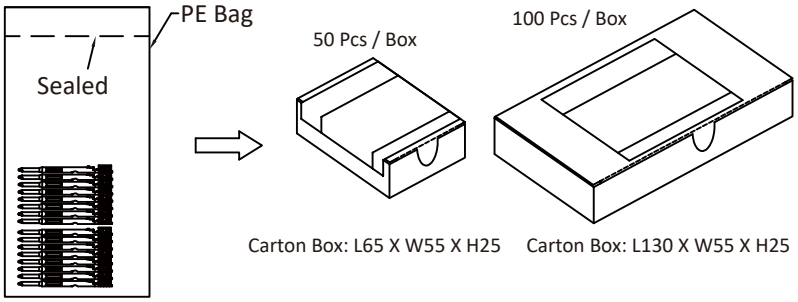
Contact Configuration

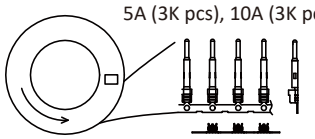
	Middle Size **(C)**								Large Size **(D)**											Macro Size **(E)**		
	Data				Power		Hybrid		Data				Power			Hybrid				Data	Hybrid	
	5A (CD)		10A (CB)		20A (CC)		10A+5A (CBD)		0.5A*		5A (DD) (DSD)*		20A (DC)		50A (DM)*	20A+5A (DCD) (DSCD)*		50A+5A (DMD)		5A (ED)*	50A+5A (EMD)*	80A+5A (EPD)*
	MM/FF	MF/FM	MM/FF	MF/FM	MM/FF	MF/FM	MM/FF	MF/FM	MM/FF	MF/FM	MM/FF	MF/FM	MM/FF	MF/FM	MM/FF	MM/FF	MF/FM	MM/FF		MM/FF	MM/FF	MM/FF
2 Pin			R C F		R C F	R C F							R C F	R C F								
3 Pin			R C F	R C F	R C F	R C F							R C F	R C F	R C							
4 Pin			R C F	R C F			R C	R C					R C F	R C F		R C	R C	R C F			R C F	R C F
5 Pin			R C F	R C F			R C	R C					R C F	R C F		R C	R C	R C F			R C F	R C F
6 Pin			R C F				R C	R C								R C	R C	R C F			R C F	R C F
7 Pin	R C F	R C F					R C	R C								R C	R C	R C F			R C F	R C F
8 Pin	R C F	R C F					R C	R C								R C	R C	R C F			R C F	
9 Pin	R C F	R C F														R C	R C	R C F			R C F	
10 Pin	R C F															R C	R C	R C F			R C F	
11 Pin																R C	R C	R C F			R C F	
12 Pin	R C F											R C F				R C	R C				R C F	
14 Pin											R C F	R C F										
17 Pin																						
18 Pin											R C F	R C F										
24 Pin																						
30 Pin																						
31 Pin																			R C			
33 Pin																						
78 Pin									R C F	R C F												
100 Pin									R C F	R C F												

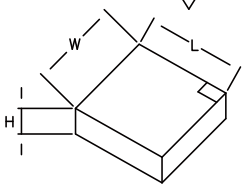
***Upon Request** R: Receptacle C: Overmolded with Cable F: Field Serviceable/Installable

Mini A Size

Packing for Crimp Contacts







Nominal Current	5A	10A	20A
L	460	640	640
W	460	640	640
H	55	70	70

(Unit: mm)

Assemble Style

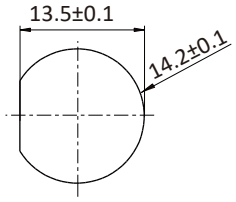
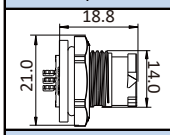
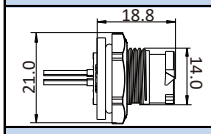
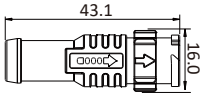
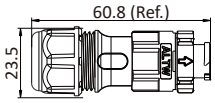
PCB 180°
(P) Receptacle

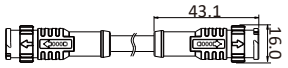
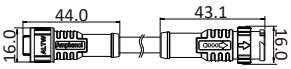
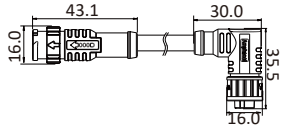
Solder
(S) Receptacle
(G) Field Serviceable/Installable

Screw In
(B) Field Serviceable/Installable

Crimp
(A) Field Serviceable/Installable

Push In
(E) Field Serviceable/Installable

No of Contacts	**Panel Cut Out** Circular Flange (D Cut)  (Unit: mm)	2			
Rated Voltage (AC/DC)		30 ~ 300V			
Nominal Current		5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment **MM**: Male Connector Male Contact **MF**: Male Connector Female Contact		MM	MF	MM	MF
Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
 	Solder Type	AD-02P**MM**S-QC8001	AD-02P**MF**S-QC8001	ASD-02P**MM**S-QC8001*	ASD-02P**MF**S-QC8001*
	180° PCB Type	AD-02P**MM**P-QC8001	AD-02P**MF**P-QC8001*	ASD-02P**MM**P-QC8001	ASD-02P**MF**P-QC8001*
Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm [1] | Nut Torque Value: 4 ~ 6 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
 	UL1430, XL-PVC Jacket	AD-02P**MM**S-QC8A11*	AD-02P**MF**S-QC8A11*	ASD-02P**MM**S-QC8A11*	ASD-02P**MF**S-QC8A11*
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1]					
 	UL20549, PU Jacket	-	-	ASD-02B**MM**M-QL8B11*	-
	UL2517, PVC Jacket (For Data Group)	-	-	ASD-02B**MM**M-QL8C11*	-
	UL21388, PVC Jacket (For Data Group)	AD-02B**MM**M-QL8D11	AD-02B**MF**M-QL8D11*	AD-02B**MM**M-QL8D11*	AD-02B**MF**M-QL8D11*
	UL21996, PVC Jacket	-	-	ASD-02B**MM**M-QL8F11*	-
	IEC61156-12, PUR Jacket	AD-02B**MM**M-QL8P11	-	-	-
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.0 ~ 8.0mm Packing Option: Connector With Contacts					
 	Solder Type	AD-02B**MM**G-QL8AP0*	AD-02B**MF**G-QL8AP0*	ASD-02B**MM**G-QL8AP0*	ASD-02B**MF**G-QL8AP0*
	Screw-in Type	AD-02B**MM**B-QL8AP0	-	ASD-02B**MM**B-QL8AP0*	ASD-02B**MF**B-QL8AP0*
	Crimp Type	AD-02B**MM**A-QL8AP0*	AD-02B**MF**A-QL8AP0*	ASD-02B**MM**A-QL8AP0*	ASD-02B**MF**A-QL8AP0*
	Push-in Type	AD-02B**MM**E-QL8AP0*	AD-02B**MF**E-QL8AP0*	ASD-02B**MM**E-QL8AP0*	ASD-02B**MF**E-QL8AP0*

No of Contacts		2			
Rated Voltage (AC/DC)		30 ~ 300V			
Nominal Current		5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment **MM**: Male Connector Male Contact **FF**: Female Connector Female Contact **MF**: Male Connector Female Contact **FM**: Female Connector Male Contact					
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF					
	End1: **(H)** MF | End2: **(H)** MF	-	AB-AD02**H**L-AD**H**L-QD⑩*	-	AB-ASD02**H**L-ASD**H**L-QD⑩*
	End1: **(M)** MM | End2: **(H)** MF	AB-AD02**M**L-AD**H**L-QD⑩*	-	AB-ASD02**M**L-ASD**H**L-QD⑩*	-
	End1: (**M**) MM | End2: (**M**) MM UL20549, PU Jacket	-	-	AB-ASD02**M**L-ASD**M**L-QB⑩*	-
	End1: (**M**) MM | End2: (**M**) MM UL21996, PVC Jacket	-	-	AB-ASD02**M**L-ASD**M**L-QF⑩*	-
	End1: (**M**) MM | End2: (**M**) MM UL21388, PVC Jacket	AB-AD02**M**L-AD**M**L-QD⑩	-	AB-ASD02**M**L-ASD**M**L-QD⑩*	-
	End1: **(M)** MM | End2: **(M)** MM UL2517, PVC Jacket	-	-	AB-ASD02**M**L-ASD**M**L-QC⑩*	-
	End1: **(H)** MF | End2: **(B)** FM	-	AB-AD02**H**L-AD**B**L-QD⑩*	-	AB-ASD02**H**L-ASD**B**L-QD⑩*
	End1: **(M)** MM | End2: **(B)** FM	AB-AD02**M**L-AD**B**L-QD⑩*	-	AB-ASD02**M**L-ASD**B**L-QD⑩*	-
	End1: (**M**) MM | End2: (**F**) FF UL20549, PU Jacket	-	-	AB-ASD02**M**L-ASD**F**L-QB⑩*	-
	End1: (**M**) MM | End2: (**F**) FF UL21996, PVC Jacket	-	-	AB-ASD02**M**L-ASD**F**L-QF⑩*	-
	End1: (**M**) MM | End2: (**F**) FF UL21388, PVC Jacket	AB-AD02**M**L-AD**F**L-QD⑩	-	AB-ASD02**M**L-ASD**F**L-QD⑩*	-
	End1: **(M)** MM | End2: **(F)** FF UL2517, PVC Jacket	-	-	AB-ASD02**M**L-ASD**F**L-QC⑩*	-
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF					
	End1: **(H)** MF | End2: **(B)** FM	-	AB-AD02**H**L-AD**BR**-QD⑩*	-	AB-ASD02**H**L-ASD**BR**-QD⑩*
	End1: **(M)** MM | End2: **(B)** FM	AB-AD02**M**L-AD**BR**-QD⑩*	-	AB-ASD02**M**L-ASD**BR**-QD⑩*	-
	End1: (**M**) MM | End2: (**F**) FF UL20549, PU Jacket	-	-	AB-ASD02**M**L-ASD**FR**-QB⑩*	-
	End1: (**M**) MM | End2: (**F**) FF UL21996, PVC Jacket	-	-	AB-ASD02**M**L-ASD**FR**-QF⑩*	-
	End1: **(M)** MM | End2: **(F)** FF UL21388, PVC Jacket	AB-AD02**M**L-AD**FR**-QD⑩*	-	AB-ASD02**M**L-ASD**FR**-QD⑩*	-
	End1: **(M)** MM | End2: **(F)** FF UL2517, PVC Jacket	-	-	AB-ASD02**M**L-ASD**FR**-QC⑩*	-

***Upon Request**

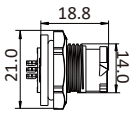
[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

Mini A Size

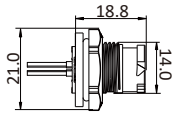
Mating Pair Page: **42**

No of Contacts	3					
Rated Voltage (AC/DC)	30 ~ 300V				30 ~ 630V	
Nominal Current	5A				16A	
Plastic / Metal	Plastic		Metal		Plastic	Metal
Pin Assignment **MM**: Male Connector Male Contact **MF**: Male Connector Female Contact **M/M+F** (J): Male Connector + Male PWR+ Female GND	MM	MF	MM	MF	M/M+F (J)	

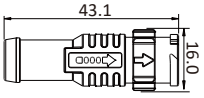
Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated)
Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	Solder Type	AD-03P**MM**S-QC8001*	AD-03P**MF**S-QC8001	ASD-03P**MM**S-QC8001*	ASD-03P**MF**S-QC8001*	AG-03P**MJ**S-QC800P*	ASG-03P**MJ**S-QC800P*
	180° PCB Type	AD-03P**MM**P-QC8001*	AD-03P**MF**P-QC8001*	ASD-03P**MM**P-QC8001*	ASD-03P**MF**P-QC8001*	AG-03P**MJ**P-QC800P*	ASG-03P**MJ**P-QC800P*

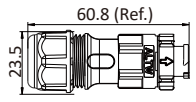
Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated)
(11) Wire Length: (10) 100mm ~ (50) 500mm [1] | Nut Torque Value: 4 ~ 6 kgf.cm
Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	UL1430, XL-PVC Jacket	AD-03P**MM**S-QC8A(11)*	AD-03P**MF**S-QC8A(11)*	ASD-03P**MM**S-QC8A(11)*	ASD-03P**MF**S-QC8A(11)*	-	-
	UL1015, PVC Jacket	-	-	-	-	AG-03P**MJ**S-QC8B(11)*	ASG-03P**MJ**S-QC8B(11)*

STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated)
(11) Cable Length: (01) 1M ~ (99) 99M [1]

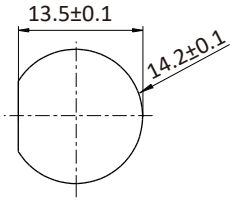
	UL20549, PU Jacket	-	-	-	ASD-03B**MF**M-QL8B(11)*	-	-
	UL2517, PVC Jacket (For Data Group)	-	-	-	ASD-03B**MF**M-QL8C(11)*	-	-
	UL21388, PVC Jacket (For Data Group)	AD-03B**MM**M-QL8D(11)	AD-03B**MF**M-QL8D(11)*	ASD-03B**MM**M-QL8D(11)*	ASD-03B**MF**M-QL8D(11)*	-	-
	UL21996, PVC Jacket	-	-	-	ASD-03B**MF**M-QL8F(11)*	-	-
	UL20234, TPU Jacket (For Power Group)	-	-	-	-	AG-03B**MJ**M-QL8G(11)	ASG-03B**MJ**M-QL8G(11)*

Field Serviceable/Installable, STRAIGHT, Without Strain Relief, Push Lock, IP68 (Mated)
Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.0 ~ 8.0mm
Packing Option: Connector With Contacts

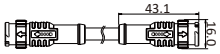
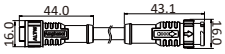
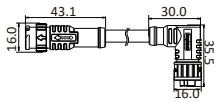
	Solder Type	AD-03B**MM**G-QL8AP0*	AD-03B**MF**G-QL8AP0*	ASD-03B**MM**G-QL8AP0*	ASD-03B**MF**G-QL8AP0*	AG-03B**MJ**G-QL8APP*	ASG-03B**MJ**G-QL8APP*
	Screw-in Type	AD-03B**MM**B-QL8AP0	-	ASD-03B**MM**B-QL8AP0*	ASD-03B**MF**B-QL8AP0*	AG-03B**MJ**B-QL8APP*	ASG-03B**MJ**B-QL8APP*
	Crimp Type	AD-03B**MM**A-QL8AP0*	AD-03B**MF**A-QL8AP0*	ASD-03B**MM**A-QL8AP0*	ASD-03B**MF**A-QL8AP0*	AG-03B**MJ**A-QL8APP*	ASG-03B**MJ**A-QL8APP*
	Push-in Type	AD-03B**MM**E-QL8AP0*	AD-03B**MF**E-QL8AP0*	ASD-03B**MM**E-QL8AP0*	ASD-03B**MF**E-QL8AP0*	AG-03B**MJ**E-QL8APP*	ASG-03B**MJ**E-QL8APP*

Panel Cut Out

Circular Flange (D Cut)

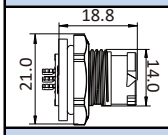
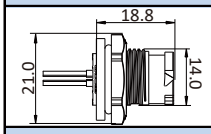
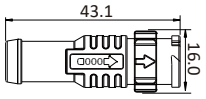
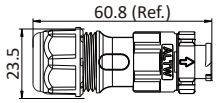


(Unit: mm)

No of Contacts		3					
Rated Voltage (AC/DC)		30 ~ 300V				30 ~ 630V	
Nominal Current		5A				16A	
Plastic / Metal		Plastic		Metal		Plastic	Metal
Pin Assignment **MM**: Male Connector Male Contact **FF**: Female Connector Female Contact **MF**: Male Connector Female Contact **FM**: Female Connector Male Contact **M/M+F:** Male Connector + Male PWR+ Female GND **F/F+M:** Female Connector + Female PWR + Male GND							
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF, **(K)** M/M+F, **(Z)** F/F+M							
	End1: **(H)** MF | End2: **(H)** MF	-	AB-AD03**H**L-AD**H**L-QD10*	-	AB-ASD03**H**L-ASD**H**L-QD10*	-	-
	End1: **(M)** MM | End2: **(H)** MF	AB-AD03**M**L-AD**H**L-QD10*	-	AB-ASD03**M**L-ASD**H**L-QD10*	-	-	-
	End1: (**M**) MM | End2: (**M**) MM UL20549, PU Jacket	-		AB-ASD03**M**L-ASD**M**L-QB10*	-	-	-
	End1: (**M**) MM | End2: (**M**) MM UL21996, PVC Jacket	-	-	AB-ASD03**M**L-ASD**M**L-QF10*	-	-	-
	End1: (**K**) M/M+F | End2: (**K**) M/M+F, UL20234, TPU Jacket (For Power Group)	-	-	-	-	AB-AG03**K**L-AG**K**L-QG10*	AB-ASG03**K**L-ASG**K**L-QG10*
	End1: (**M**) MM | End2: (**M**) MM UL21388, PVC Jacket	AB-AD03**M**L-AD**M**L-QD10	-	AB-ASD03**M**L-ASD**M**L-QD10*	-	-	-
	End1: (**M**) MM | End2: (**M**) MM UL2517, PVC Jacket	-	-	AB-ASD03**M**L-ASD**M**L-QC10*	-	-	-
	End1: **(H)** MF | End2: **(B)** FM	-	AB-AD03**H**L-AD**B**L-QD10*	-	AB-ASD03**H**L-ASD**B**L-QD10*	-	-
	End1: **(M)** MM | End2: **(B)** FM	AB-AD03**M**L-AD**B**L-QD10*	-	AB-ASD03**M**L-ASD**B**L-QD10*	-	-	-
	End1: (**M**) MM | End2: (**F**) FF UL20549, PU Jacket	-	-	AB-ASD03**M**L-ASD**F**L-QB10*	-	-	-
	End1: (**M**) MM | End2: (**F**) FF UL21996, PVC Jacket	-	-	AB-ASD03**M**L-ASD**F**L-QF10*	-	-	-
	End1: (**K**) M/M+F | End2: (**Z**) F/F+M, UL20234, TPU Jacket (For Power Group)	-	-	-	-	AB-AG03**K**L-AG**Z**L-QG10*	AB-ASG03**K**L-ASG**Z**L-QG10*
	End1: (**M**) MM | End2: (**F**) FF UL21388, PVC Jacket	AB-AD03**M**L-AD**F**L-QD10	-	AB-ASD03**M**L-ASD**F**L-QD10*	-	-	-
	End1: (**M**) MM | End2: (**F**) FF UL2517, PVC Jacket	-	-	AB-ASD03**M**L-ASD**F**L-QC10*	-	-	-
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF, **(K)** M/M+F, **(Z)** F/F+M							
	End1: **(H)** MF | End2: **(B)** FM	-	AB-AD03**H**L-AD**B**R-QD10*	-	AB-ASD03**H**L-ASD**B**R-QD10*	-	-
	End1: **(M)** MM | End2: **(B)** FM	AB-AD03**M**L-AD**B**R-QD10*	-	AB-ASD03**M**L-ASD**B**R-QD10*	-	-	-
	End1: (**M**) MM | End2: (**F**) FF UL20549, PU Jacket	-	-	AB-ASD03**M**L-ASD**F**R-QB10*	-	-	-
	End1: (**M**) MM | End2: (**F**) FF UL21996, PVC Jacket	-	-	AB-ASD03**M**L-ASD**F**R-QF10*	-	-	-
	End1: (**K**) M/M+F | End2: (**Z**) F/F+M, UL20234, TPU Jacket (For Power Group)	-	-	-	-	AB-AG03**K**L-AG**Z**R-QG10*	AB-ASG03**K**L-ASG**Z**R-QG10*
	End1: (**M**) MM | End2: (**F**) FF UL21388, PVC Jacket	AB-AD03**M**L-AD**F**R-QD10*	-	AB-ASD03**M**L-ASD**F**R-QD10*	-	-	-
	End1: (**M**) MM | End2: (**F**) FF UL2517, PVC Jacket	-	-	AB-ASD03**M**L-ASD**F**R-QC10*	-	-	-

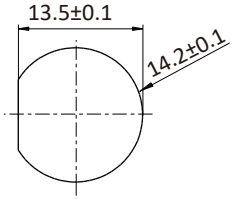
***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

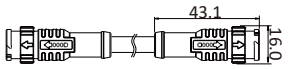
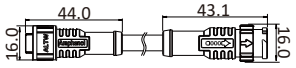
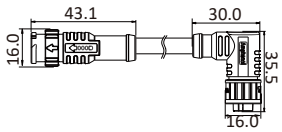
No of Contacts		4			
Rated Voltage (AC/DC)		30 ~ 300V		30 ~ 630V	
Nominal Current		5A		16A	
Plastic / Metal		Plastic	Metal	Plastic	Metal
Pin Assignment **MM**: Male Connector Male Contact **M/M+F** (J): Male Connector + Male PWR+ Female GND		MM		M/M+F (J)	
Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	Solder Type	AD-04P**MM**S-QC8001	ASD-04P**MM**S-QC8001*	AG-04P**MJ**S-QC800P*	ASG-04P**MJ**S-QC800P*
	180° PCB Type	AD-04P**MM**P-QC8001	ASD-04P**MM**P-QC8001*	AG-04P**MJ**P-QC800P*	ASG-04P**MJ**P-QC800P*
Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) (11) Wire Length: (10) 100mm ~ (50) 500mm [1] | Nut Torque Value: 4 ~ 6 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1430, XL-PVC Jacket	AD-04P**MM**S-QC8A(11)*	ASD-04P**MM**S-QC8A(11)*	-	-
	UL1015, PVC Jacket	-	-	AG-04P**MJ**S-QC8B(11)*	ASG-04P**MJ**S-QC8B(11)*
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated) (11) Cable Length: (01) 1M ~ (99) 99M [1]					
	UL20549, PU Jacket	-	ASD-04B**MM**M-QL8B(11)*	-	-
	UL2517, PVC Jacket (For Data Group)	-	ASD-04B**MM**M-QL8C(11)*	-	-
	UL21388, PVC Jacket (For Data Group)	AD-04B**MM**M-QL8D(11)	ASD-04B**MM**M-QL8D(11)*	-	-
	UL21996, PVC Jacket	-	ASD-04B**MM**M-QL8F(11)*	-	-
	UL20234, TPU Jacket (For Power Group)	-	-	AG-04B**MJ**M-QL8G(11)*	ASG-04B**MJ**M-QL8G(11)*
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.0 ~ 8.0mm Packing Option: Connector With Contacts					
	Solder Type	AD-04B**MM**G-QL8AP0*	ASD-04B**MM**G-QL8AP0*	AG-04B**MJ**G-QL8APP*	ASG-04B**MJ**G-QL8APP*
	Screw-in Type	AD-04B**MM**B-QL8AP0	ASD-04B**MM**B-QL8AP0*	AG-04B**MJ**B-QL8APP*	ASG-04B**MJ**B-QL8APP*
	Crimp Type	AD-04B**MM**A-QL8AP0*	ASD-04B**MM**A-QL8AP0*	AG-04B**MJ**A-QL8APP*	ASG-04B**MJ**A-QL8APP*
	Push-in Type	AD-04B**MM**E-QL8AP0*	ASD-04B**MM**E-QL8AP0*	AG-04B**MJ**E-QL8APP*	ASG-04B**MJ**E-QL8APP*

Panel Cut Out

Circular Flange (D Cut)

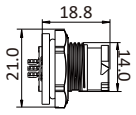
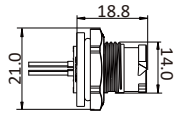
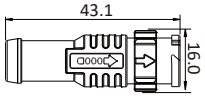
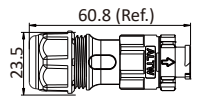


(Unit: mm)

No of Contacts		4			
Rated Voltage (AC/DC)		30 ~ 300V		30 ~ 630V	
Nominal Current		5A		16A	
Plastic / Metal		Plastic	Metal	Plastic	Metal
Pin Assignment **MM**: Male Connector Male Contact **FF**: Female Connector Female Contact **MF**: Male Connector Female Contact **FM**: Female Connector Male Contact **M/M+F**: Male Connector + Male PWR+ Female GND, **F/F+M**: Female Connector + Female PWR + Male GND					
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF, **(K)** M/M+F, **(Z)** F/F+M					
	End1: **(M)** MM | End2: **(H)** MF	AB-AD04**M**L-AD**H**L-QD10*	AB-ASD04**M**L-ASD**H**L-QD10*	-	-
	End1: (**M**) MM | End2: (**M**) MM UL20549, PU Jacket	-	AB-ASD04**M**L-ASD**M**L-QB10*	-	-
	End1: (**M**) MM | End2: (**M**) MM UL21996, PVC Jacket	-	AB-ASD04**M**L-ASD**M**L-QF10*	-	-
	End1: (**K**) M/M+F | End2: (**K**) M/M+F UL20234, TPU Jacket (For Power Group)	-	-	AB-AG04**K**L-AG**K**L-QG10*	AB-ASG04**K**L-ASG**K**L-QG10*
	End1: (**M**) MM | End2: (**M**) MM UL21388, PVC Jacket	AB-AD04**M**L-AD**M**L-QD10	AB-ASD04**M**L-ASD**M**L-QD10*	-	-
	End1: **(M)** MM | End2: **(M)** MM UL2517, PVC Jacket	-	AB-ASD04**M**L-ASD**M**L-QC10*	-	-
	End1: **(M)** MM | End2: **(B)** FM	AB-AD04**M**L-AD**B**L-QD10*	AB-ASD04**M**L-ASD**B**L-QD10*	-	-
	End1: (**M**) MM | End2: (**F**) FF UL20549, PU Jacket	-	AB-ASD04**M**L-ASD**F**L-QB10*	-	-
	End1: (**M**) MM | End2: (**F**) FF UL21996, PVC Jacket	-	AB-ASD04**M**L-ASD**F**L-QF10*	-	-
	End1: (**K**) M/M+F | End2: (**Z**) F/F+M UL20234, TPU Jacket (For Power Group)	-	-	AB-AG04**K**L-AG**Z**L-QG10*	AB-ASG04**K**L-ASG**Z**L-QG10*
	End1: (**M**) MM | End2: (**F**) FF UL21388, PVC Jacket	AB-AD04**M**L-AD**F**L-QD10	AB-ASD04**M**L-ASD**F**L-QD10*	-	-
	End1: **(M)** MM | End2: **(F)** FF UL2517, PVC Jacket	-	AB-ASD04**M**L-ASD**F**L-QC10*	-	-
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF, **(K)** M/M+F, **(Z)** F/F+M					
	End1: **(M)** MM | End2: **(B)** FM	AB-AD04**M**L-AD**B**R-QD10*	AB-ASD04**M**L-ASD**B**R-QD10*	-	-
	End1: (**M**) MM | End2: (**F**) FF UL20549, PU Jacket	-	AB-ASD04**M**L-ASD**F**R-QB10*	-	-
	End1: (**M**) MM | End2: (**F**) FF UL21996, PVC Jacket	-	AB-ASD04**M**L-ASD**F**R-QF10*	-	-
	End1: (**K**) M/M+F | End2: (**Z**) F/F+M UL20234, TPU Jacket (For Power Group)	-	-	AB-AG04**K**L-AG**Z**R-QG10*	AB-ASG04**K**L-ASG**Z**R-QG10*
	End1: (**M**) MM | End2: (**F**) FF UL21388, PVC Jacket	AB-AD04**M**L-AD**F**R-QD10*	AB-ASD04**M**L-ASD**F**R-QD10*	-	-
	End1: (**M**) MM | End2: (**F**) FF UL2517, PVC Jacket	-	AB-ASD04**M**L-ASD**F**R-QC10*	-	-

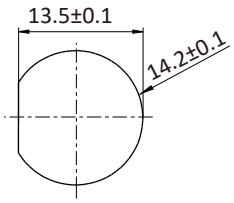
***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

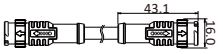
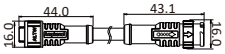
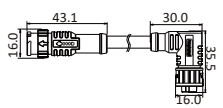
No of Contacts	5					
Rated Voltage (AC/DC)	30 ~ 300V		30 ~ 630V			
Nominal Current	5A		16A			
Plastic / Metal	Plastic	Metal	Plastic	Metal	Plastic	Metal
Pin Assignment **MM**: Male Connector Male Contact **M/M+F** (J): Male Connector + Male PWR+ Female GND	MM		M/M+F (J)		MM	
Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm						
	Solder Type	AD-05P**MM**S-QC8001	ASD-05P**MM**S-QC8001*	AG-05P**MJ**S-QC800P	ASG-05P**MJ**S-QC800P*	AG-05P**MM**S-QC800P	ASG-05P**MM**S-QC800P*
	180° PCB Type	AD-05P**MM**P-QC8001	ASD-05P**MM**P-QC8001*	AG-05P**MJ**P-QC800P*	ASG-05P**MJ**P-QC800P*	AG-05P**MM**P-QC800P*	ASG-05P**MM**P-QC800P*
Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) (11) Wire Length: (10) 100mm ~ (50) 500mm [1] | Nut Torque Value: 4 ~ 6 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm							
	UL1430, XL-PVC Jacket	AD-05P**MM**S-QC8A(11)*	ASD-05P**MM**S-QC8A(11)	-	-	-	-
	UL1015, PVC Jacket	-	-	AG-05P**MJ**S-QC8B(11)*	KAG-05P**MJ**S-QC8B(11)*	AG-05P**MM**S-QC8B(11)*	KAG-05P**MM**S-QC8B(11)*
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated) (11) Cable Length: (01) 1M ~ (99) 99M [1]							
	UL20549, PU Jacket	-	ASD-05B**MM**M-QL8B(11)*	-	-	-	-
	UL2517, PVC Jacket (For Data Group)	-	ASD-05B**MM**M-QL8C(11)*	-	-	-	-
	UL21388, PVC Jacket (For Data Group)	AD-05B**MM**M-QL8D(11)	ASD-05B**MM**M-QL8D(11)*	-	-	-	-
	UL21996, PVC Jacket	-	ASD-05B**MM**M-QL8F(11)*	-	-	-	-
	UL20234, TPU Jacket (For Power Group)	-	-	AG-05B**MJ**M-QL8G(11)*	ASG-05B**MJ**M-QL8G(11)*	AG-05B**MM**M-QL8G(11)*	ASG-05B**MM**M-QL8G(11)*
Field Serviceable/Installable, STRAIGHT, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.0 ~ 8.0mm Packing Option: Connector With Contacts							
	Solder Type	AD-05B**MM**G-QL8AP0*	ASD-05B**MM**G-QL8AP0*	AG-05B**MJ**G-QL8APP*	ASG-05B**MJ**G-QL8APP*	AG-05B**MM**G-QL8APP*	ASG-05B**MM**G-QL8APP*
	Screw-in Type	AD-05B**MM**B-QL8AP0	ASD-05B**MM**B-QL8AP0*	AG-05B**MJ**B-QL8APP*	ASG-05B**MJ**B-QL8APP*	AG-05B**MM**B-QL8APP*	ASG-05B**MM**B-QL8APP*
	Crimp Type	AD-05B**MM**A-QL8AP0	ASD-05B**MM**A-QL8AP0*	AG-05B**MJ**A-QL8APP*	ASG-05B**MJ**A-QL8APP*	AG-05B**MM**A-QL8APP*	ASG-05B**MM**A-QL8APP*
	Push-in Type	AD-05B**MM**E-QL8AP0*	ASD-05B**MM**E-QL8AP0*	AG-05B**MJ**E-QL8APP*	ASG-05B**MJ**E-QL8APP*	AG-05B**MM**E-QL8APP*	ASG-05B**MM**E-QL8APP*

Panel Cut Out

Circular Flange (D Cut)

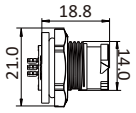
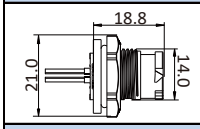
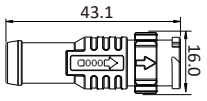
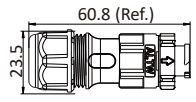


(Unit: mm)

No of Contacts		5					
Rated Voltage (AC/DC)		30 ~ 300V		30 ~ 630V			
Nominal Current		5A		16A			
Plastic / Metal		Plastic	Metal	Plastic	Metal	Plastic	Metal
Pin Assignment **MM**: Male Connector Male Contact **FF**: Female Connector Female Contact **MF**: Male Connector Female Contact **FM**: Female Connector Male Contact **M/M+F**: Male Connector + Male PWR+ Female GND, **F/F+M**: Female Connector + Female PWR + Male GND							
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF, **(K)** M/M+F, **(Z)** F/F+M							
	End1: **(M)** MM | End2: **(H)** MF	AB-AD05**M**L-AD**H**L-QD10*	AB-ASD05**M**L-ASD**H**L-QD10*	-	-	-	-
	End1: (**M**) MM | End2: (**M**) MM UL20549, PU Jacket	-	AB-ASD05**M**L-ASD**M**L-QB10*	-	-	-	-
	End1: (**M**) MM | End2: (**M**) MM UL21996, PVC Jacket	-	AB-ASD05**M**L-ASD**M**L-QF10*	-	-	-	-
	End1: (**M**) MM | End2: (**M**) MM UL20234, TPU Jacket (For Power Group)	-	-	-	-	AB-AG05**M**L-AG**M**L-QG10*	AB-ASG05**M**L-ASG**M**L-QG10*
	End1: (**K**) M/M+F | End2: (**K**) M/M+F, UL20234, TPU Jacket (For Power Group)	-	-	AB-AG05**K**L-AG**K**L-QG10*	AB-ASG05**K**L-ASG**K**L-QG10*	-	-
	End1: (**M**) MM | End2: (**M**) MM UL21388, PVC Jacket	AB-AD05**M**L-AD**M**L-QD10	AB-ASD05**M**L-ASD**M**L-QD10*	-	-	-	-
	End1: (**M**) MM | End2: (**M**) MM UL2517, PVC Jacket	-	AB-ASD05**M**L-ASD**M**L-QC10*	-	-	-	-
	End1: (**M**) MM | End2: (**B**) FM	AB-AD05**M**L-AD**B**L-QD10*	AB-ASD05**M**L-ASD**B**L-QD10*	-	-	-	-
	End1: (**M**) MM | End2: (**F**) FF UL20549, PU Jacket	-	AB-ASD05**M**L-ASD**F**L-QB10*	-	-	-	-
	End1: (**M**) MM | End2: (**F**) FF UL21996, PVC Jacket	-	AB-ASD05**M**L-ASD**F**L-QF10*	-	-	-	-
	End1: (**M**) MM | End2: (**F**) FF UL20234, TPU Jacket (For Power Group)	-	-	-	-	AB-AG05**M**L-AG**F**L-QG10*	AB-ASG05**M**L-ASG**F**L-QG10*
	End1: (**K**) M/M+F | End2: (**Z**) F/F+M, UL20234, TPU Jacket (For Power Group)	-	-	AB-AG05**K**L-AG**Z**L-QG10*	AB-ASG05**K**L-ASG**Z**L-QG10*	-	-
	End1: (**M**) MM | End2: (**F**) FF UL21388, PVC Jacket	AB-AD05**M**L-AD**F**L-QD10	AB-ASD05**M**L-ASD**F**L-QD10*	-	-	-	-
	End1: (**M**) MM | End2: (**F**) FF UL2517, PVC Jacket	-	AB-ASD05**M**L-ASD**F**L-QC10*	-	-	-	-
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF, **(K)** M/M+F, **(Z)** F/F+M							
	End1: **(M)** MM | End2: **(B)** FM	AB-AD05**M**L-AD**B**R-QD10*	AB-ASD05**M**L-ASD**B**R-QD10*	-	-	-	-
	End1: (**M**) MM | End2: (**F**) FF UL20549, PU Jacket	-	AB-ASD05**M**L-ASD**F**R-QB10*	-	-	-	-
	End1: (**M**) MM | End2: (**F**) FF UL21996, PVC Jacket	-	AB-ASD05**M**L-ASD**F**R-QF10*	-	-	-	-
	End1: (**M**) MM | End2: (**F**) FF UL20234, TPU Jacket (For Power Group)	-	-	-	-	AB-AG05**M**L-AG**F**R-QG10*	AB-ASG05**M**L-ASG**F**R-QG10*
	End1: (**K**) M/M+F | End2: (**Z**) F/F+M, UL20234, TPU Jacket (For Power Group)	-	-	AB-AG05**K**L-AG**Z**R-QG10*	AB-ASG05**K**L-ASG**Z**R-QG10*	-	-
	End1: (**M**) MM | End2: (**F**) FF UL21388, PVC Jacket	AB-AD05**M**L-AD**F**R-QD10*	AB-ASD05**M**L-ASD**F**R-QD10*	-	-	-	-
	End1: (**M**) MM | End2: (**F**) FF UL2517, PVC Jacket	-	AB-ASD05**M**L-ASD**F**R-QC10*	-	-	-	-

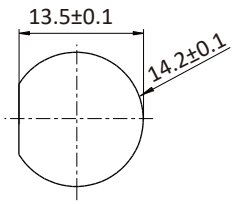
***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts		6		8		
Rated Voltage (AC/DC)		30 ~ 300V		30 ~ 300V		
Nominal Current		2A		0.5A	2A	
Plastic / Metal		Plastic	Metal	Metal	Plastic	Metal
Pin Assignment **MM**: Male Connector Male Contact		MM		MM	MM	
Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm						
	Solder Type	AU-06P**MM**S-QC8001	ASU-06P**MM**S-QC8001*	ASY-A08P**MM**S-QC8001*	AU-08P**MM**S-QC8001	ASU-08P**MM**S-QC8001*
	180° PCB Type	AU-06P**MM**P-QC8001	ASU-06P**MM**P-QC8001*	ASY-A08P**MM**P-QC8001	AU-08P**MM**P-QC8001	ASU-08P**MM**P-QC8001*
Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm [1] | Nut Torque Value: 4 ~ 6 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm						
	UL1430, XL-PVC Jacket	AU-06P**MM**S-QC8A11*	ASU-06P**MM**S-QC8A11*	-	AU-08P**MM**S-QC8A11*	ASU-08P**MM**S-QC8A11
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1]						
	UL20549, PU Jacket	-	ASU-06B**MM**M-QL8B11*	-	-	ASU-08B**MM**M-QL8B11*
	UL2517, PVC Jacket (For Data Group)	-	ASU-06B**MM**M-QL8C11*	-	-	ASU-08B**MM**M-QL8C11*
	UL21388, PVC Jacket (For Data Group)	AU-06B**MM**M-QL8D11	ASU-06B**MM**M-QL8D11*	-	AU-08B**MM**M-QL8D11	ASU-08B**MM**M-QL8D11*
	UL21996, PVC Jacket	-	ASU-06B**MM**M-QL8F11*	-	-	ASU-08B**MM**M-QL8F11*
	Cat. 6A, TPU Jacket	-	-	ASY-08B**MM**M-QL8J11*	-	-
	UTP Cat. 5e, PVC Jacket	-	-	-	AU-08B**MM**M-QL8H11*	-
Field Serviceable/Installable, STRAIGHT, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.0 ~ 8.0mm Packing Option: Connector With Contacts						
	Solder Type	AU-06B**MM**G-QL8AP0*	ASU-06B**MM**G-QL8AP0*	-	AU-08B**MM**G-QL8AP0*	ASU-08B**MM**G-QL8AP0*
	Screw-in Type	AU-06B**MM**B-QL8AP0	ASU-06B**MM**B-QL8AP0*	-	AU-08B**MM**B-QL8AP0	ASU-08B**MM**B-QL8AP0*
	Crimp Type	AU-06B**MM**A-QL8AP0*	ASU-06B**MM**A-QL8AP0*	-	AU-08B**MM**A-QL8AP0	ASU-08B**MM**A-QL8AP0*

Panel Cut Out

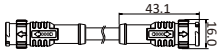
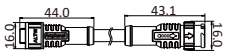
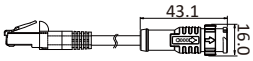
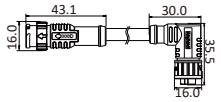
Circular Flange (D Cut)



(Unit: mm)

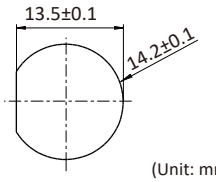
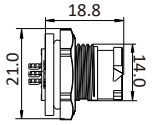
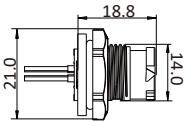
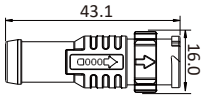
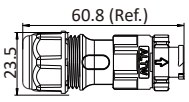
Mini A Size

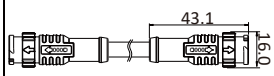
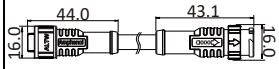
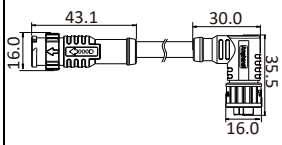
Mating Pair Page: **49**

No of Contacts		6		8		
Rated Voltage (AC/DC)		30 ~ 300V		30 ~ 300V		
Nominal Current		2A		0.5A	2A	
Plastic / Metal		Plastic	Metal	Metal	Plastic	Metal
Pin Assignment **MM**: Male Connector Male Contact **FF**: Female Connector Female Contact						
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF						
	End1: **(M)** MM | End2: **(M)** MM (UTP Cat. 5e, PVC Jacket)	-	-	-	AB-AU08**M**L-AU**M**L-QH10*	-
	End1: (**M**) MM | End2: (**M**) MM (Cat. 6A, TPU Jacket)	-	-	AB-ASYA08**M**L-ASY**M**L-QJ10*	-	-
	End1: (**M**) MM | End2: (**M**) MM UL20549, PU Jacket	-	AB-ASU06**M**L-ASU**M**L-QB10*	-	-	AB-ASU08**M**L-ASU**M**L-QB10*
	End1: (**M**) MM | End2: (**M**) MM UL21996, PVC Jacket	-	AB-ASU06**M**L-ASU**M**L-QF10*	-	-	AB-ASU08**M**L-ASU**M**L-QF10*
	End1: (**M**) MM | End2: (**M**) MM UL21388, PVC Jacket	AB-AU06**M**L-AU**M**L-QD10*	AB-ASU06**M**L-ASU**M**L-QD10*	-	AB-AU08**M**L-AU**M**L-QD10	AB-ASU08**M**L-ASU**M**L-QD10*
	End1: **(M)** MM | End2: **(M)** MM UL2517, PVC Jacket	-	AB-ASU06**M**L-ASU**M**L-QC10*	-	-	AB-ASU08**M**L-ASU**M**L-QC10*
	End1: (**M**) MM | End2: (**F**) FF UL20549, PU Jacket	-	AB-ASU06**M**L-ASU**F**L-QB10*	-	-	AB-ASU08**M**L-ASU**F**L-QB10*
	End1: (**M**) MM | End2: (**F**) FF UL21996, PVC Jacket	-	AB-ASU06**M**L-ASU**F**L-QF10*	-	-	AB-ASU08**M**L-ASU**F**L-QF10*
	End1: (**M**) MM | End2: (**F**) FF UL21388, PVC Jacket	AB-AU06**M**L-AU**F**L-QD10	AB-ASU06**M**L-ASU**F**L-QD10*	-	AB-AU08**M**L-AU**F**L-QD10	AB-ASU08**M**L-ASU**F**L-QD10*
	End1: **(M)** MM | End2: **(F)** FF UL2517, PVC Jacket	-	AB-ASU06**M**L-ASU**F**L-QC10*	-	-	AB-ASU08**M**L-ASU**F**L-QC10*
	End1: **(M)** MM | End2: **(F)** FF (UTP Cat. 5e, PVC Jacket)	-	-	-	AB-AU08**M**L-AU**F**L-QH10*	-
	End1: (**M**) MM | End2: (**F**) FF (Cat. 6A, TPU Jacket)	-	-	AB-ASYA08**M**L-ASY**F**L-QJ10*	-	-
	Male Conn Male Contact to RJ45 Plug (Cat 5e)	-	-	-	AB-AU08**M**L-UPB**M**L-QH10	-
	Male Conn Male Contact to RJ45 Plug (Cat 6A)	-	-	AB-ASYA08**M**L-SPB**M**L-QJ10*	-	-
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF						
	End1: (**M**) MM | End2: (**F**) FF UL20549, PU Jacket	-	AB-ASU06**M**L-ASU**F**R-QB10*	-	-	AB-ASU08**M**L-ASU**F**R-QB10*
	End1: (**M**) MM | End2: (**F**) FF UL21996, PVC Jacket	-	AB-ASU06**M**L-ASU**F**R-QF10*	-	-	AB-ASU08**M**L-ASU**F**R-QF10*
	End1: **(M)** MM | End2: **(F)** FF UL21388, PVC Jacket	AB-AU06**M**L-AU**F**R-QD10*	AB-ASU06**M**L-ASU**F**R-QD10*	-	AB-AU08**M**L-AU**F**R-QD10	AB-ASU08**M**L-ASU**F**R-QD10*
	End1: **(M)** MM | End2: **(F)** FF UL2517, PVC Jacket	-	AB-ASU06**M**L-ASU**F**R-QC10*	-	-	AB-ASU08**M**L-ASU**F**R-QC10*
	End1: **(M)** MM | End2: **(F)** FF (UTP Cat. 5e, PVC Jacket)	-	-	-	AB-AU08**M**L-AU**F**R-QH10*	-
	End1: (**M**) MM | End2: (**F**) FF (Cat. 6A, TPU Jacket)	-	-	AB-ASYA08**M**L-ASY**F**R-QJ10*	-	-

***Upon Request**

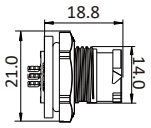
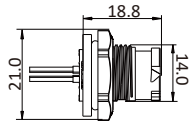
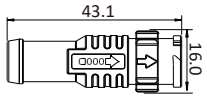
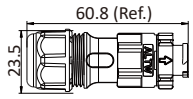
[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

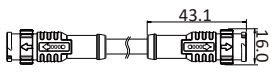
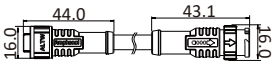
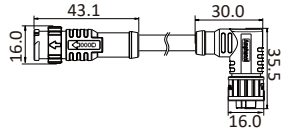
No of Contacts	**Panel Cut Out**	10		12		17	
Rated Voltage (AC/DC)	Circular Flange (D Cut)	30		30		30	
Nominal Current		1.5A		1.5A		1.5A	
Plastic / Metal		Plastic	Metal	Plastic	Metal	Plastic	Metal
Pin Assignment	(Unit: mm)	MM		MM		MM	
MM : Male Connector Male Contact **FF** : Female Connector Female Contact							
Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm							
	Solder Type	AZ-10P**MM**S-QC8001*	ASZ-10P**MM**S-QC8001*	AZ-12P**MM**S-QC8001	ASZ-12P**MM**S-QC8001*	AZ-17P**MM**S-QC8001*	ASZ-17P**MM**S-QC8001*
	180° PCB Type	AZ-10P**MM**P-QC8001*	ASZ-10P**MM**P-QC8001*	AZ-12P**MM**P-QC8001*	ASZ-12P**MM**P-QC8001*	AZ-17P**MM**P-QC8001*	ASZ-17P**MM**P-QC8001*
Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm[1] | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm							
	UL1430, XL-PVC Jacket	AZ-10P**MM**S-QC8A11*	ASZ-10P**MM**S-QC8A11*	AZ-12P**MM**S-QC8A11*	ASZ-12P**MM**S-QC8A11*	AZ-17P**MM**S-QC8A11*	ASZ-17P**MM**S-QC8A11*
	UL1061, SR-PVC Jacket	-	-	-	ASZ-12P**MM**S-QC8C11	-	ASZ-17P**MM**S-QC8C11
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M[1]							
	UL21388, PVC Jacket (For Data Group)	AZ-10B**MM**M-QL8D11*	ASZ-10B**MM**M-QL8D11*	AZ-12B**MM**M-QL8D11*	ASZ-12B**MM**M-QL8D11*	AZ-17B**MM**M-QL8D11*	ASZ-17B**MM**M-QL8D11*
	UL2517, PVC Jacket (For Data Group)	AZ-10B**MM**M-QL8C11*	ASZ-10B**MM**M-QL8C11*	AZ-12B**MM**M-QL8C11*	ASZ-12B**MM**M-QL8C11*	AZ-17B**MM**M-QL8C11	ASZ-17B**MM**M-QL8C11*
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.0 ~ 8.0mm Packing Option: Connector With Contacts							
	Solder Type	AZ-10B**MM**G-QL8AP0*	ASZ-10B**MM**G-QL8AP0*	AZ-12B**MM**G-QL8AP0*	ASZ-12B**MM**G-QL8AP0*	AZ-17B**MM**G-QL8AP0*	ASZ-17B**MM**G-QL8AP0*

STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1] | Connector / Contact Gender: **(M)** MM, **(F)** FF							
	End1: **(M)** MM | End2: **(M)** MM, UL21388, PVC Jacket	AB-AZ10**ML**-AZ**ML**-QD10*	AB-ASZ10**ML**-ASZ**ML**-QD10*	AB-AZ12**ML**-AZ**ML**-QD10*	AB-ASZ12**ML**-ASZ**ML**-QD10*	AB-AZ17**ML**-AZ**ML**-QD10*	AB-ASZ17**ML**-ASZ**ML**-QD10*
	End1: **(M)** MM | End2: **(M)** MM, UL2517, PVC Jacket	AB-AZ10**ML**-AZ**ML**-QC10*	AB-ASZ10**ML**-ASZ**ML**-QC10*	AB-AZ12**ML**-AZ**ML**-QC10*	AB-ASZ12**ML**-ASZ**ML**-QC10*	AB-AZ17**ML**-AZ**ML**-QC10	AB-ASZ17**ML**-ASZ**ML**-QC10*
	End1: **(M)** MM | End2: **(F)** FF UL21388, PVC Jacket	AB-AZ10**ML**-AZ**FL**-QD10*	AB-ASZ10**ML**-ASZ**FL**-QD10*	AB-AZ12**ML**-AZ**FL**-QD10*	AB-ASZ12**ML**-ASZ**FL**-QD10*	AB-AZ17**ML**-AZ**FL**-QD10*	AB-ASZ17**ML**-ASZ**FL**-QD10*
	End1: **(M)** MM | End2: **(F)** FF UL2517, PVC Jacket	AB-AZ10**ML**-AZ**FL**-QC10*	AB-ASZ10**ML**-ASZ**FL**-QC10*	AB-AZ12**ML**-AZ**FL**-QC10*	AB-ASZ12**ML**-ASZ**FL**-QC10*	AB-AZ17**ML**-AZ**FL**-QC10*	AB-ASZ17**ML**-ASZ**FL**-QC10*
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1] | Connector / Contact Gender: **(M)** MM, **(F)** FF							
	End1: **(M)** MM | End2: **(F)** FF UL21388, PVC Jacket	AB-AZ10**ML**-AZ**FR**-QD10*	AB-ASZ10**ML**-ASZ**FR**-QD10*	AB-AZ12**ML**-AZ**FR**-QD10*	AB-ASZ12**ML**-ASZ**FR**-QD10*	AB-AZ17**ML**-AZ**FR**-QD10*	AB-ASZ17**ML**-ASZ**FR**-QD10*
	End1: **(M)** MM | End2: **(F)** FF UL2517, PVC Jacket	AB-AZ10**ML**-AZ**FR**-QC10*	AB-ASZ10**ML**-ASZ**FR**-QC10*	AB-AZ12**ML**-AZ**FR**-QC10*	AB-ASZ12**ML**-ASZ**FR**-QC10*	AB-AZ17**ML**-AZ**FR**-QC10*	AB-ASZ17**ML**-ASZ**FR**-QC10*

Mini A Size

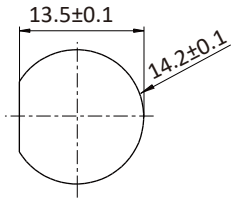
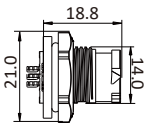
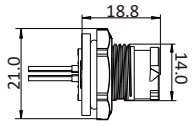
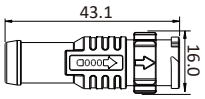
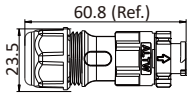
Mating Pair Page: **51**

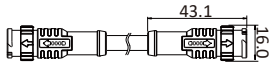
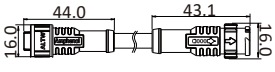
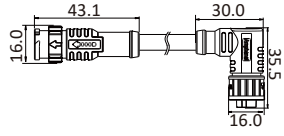
No of Contacts	18		24	
Rated Voltage (AC/DC)	50V		50V	
Nominal Current	0.5A		0.5A	
Plastic / Metal	Plastic	Metal	Plastic	Metal
Pin Assignment **MM** : Male Connector Male Contact **FF** : Female Connector Female Contact	MM		MM	
Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm				
	Solder Type	AY-18P**MM** S-QC8001*	ASY-18P **MM** S-QC8001*	AY-24P**MM** S-QC8001*	ASY-24P **MM** S-QC8001*
	180° PCB Type	AY-18P**MM** P-QC8001*	ASY-18P **MM** P-QC8001*	AY-24P**MM** P-QC8001*	ASY-24P **MM** P-QC8001*
Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) (11) Wire Length: (10) 100mm ~ (50) 500mm[1] | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1430, XL-PVC Jacket	AY-18P**MM** S-QC8A(11) *	ASY-18P **MM** S-QC8A(11) *	AY-24P**MM** S-QC8A(11) *	ASY-24P **MM** S-QC8A(11) *
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated) (11) Cable Length: (01) 1M ~ (99) 99M[1]					
	UL2517, PVC Jacket (For Data Group)	AY-18B **MM** M-QL8D(11) *	ASY-18B **MM** M-QL8D(11) *	AY-24B **MM** M-QL8D(11) *	ASY-24B **MM** M-QL8D(11) *
Field Serviceable/Installable, STRAIGHT, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.0 ~ 8.0mm Packing Option: Connector With Contacts					
	Solder Type	AY-18B **MM** G-QL8AP0 *	ASY-18B **MM** G-QL8AP0 *	AY-24B **MM** G-QL8AP0 *	ASY-24B **MM** G-QL8AP0 *

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated) (10) Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1] | Connector / Contact Gender: **(M)** MM, **(F)** FF					
	End1: **(M)** MM | End2: **(M)** MM UL21388, PVC Jacket	AB-AY18 **M**L-AY **M**L-QD(10) *	AB-ASY18 **M**L-ASY **M**L-QD(10) *	AB-AY24 **M**L-AY **M**L-QD(10) *	AB-ASY24 **M**L-ASY **M**L-QD(10) *
	End1: **(M)** MM | End2: **(F)** FF UL21388, PVC Jacket	AB-AY18 **M**L-AY **F**L-QD(10) *	AB-ASY18 **M**L-ASY **F**L-QD(10) *	AB-AY24 **M**L-AY **F**L-QD(10) *	AB-ASY24 **M**L-ASY **F**L-QD(10) *
STRAIGHT -TO- RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) (10) Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1] | Connector / Contact Gender: **(M)** MM, **(F)** FF					
	End1: **(M)** MM | End2: **(F)** FF UL21388, PVC Jacket	AB-AY18 **M**L-AY **F**R-QD(10) *	AB-ASY18 **M**L-ASY **F**R-QD(10) *	AB-AY24 **M**L-AY **F**R-QD(10) *	AB-ASY24 **M**L-ASY **F**R-QD(10) *

*Upon Request

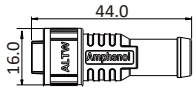
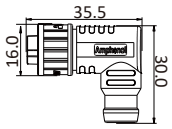
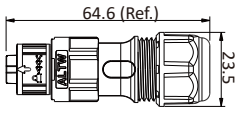
[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	**Panel Cut Out**	30		33	
Rated Voltage (AC/DC)	Circular Flange (D Cut)	50V		50V	
Nominal Current	 (Unit: mm)	0.5A		0.5A	
Plastic / Metal		Plastic	Metal	Plastic	Metal
Pin Assignment **MM** : Male Connector Male Contact **FF** : Female Connector Female Contact		MM		MM	
Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	Solder Type	AY-30P**MM**S-QC8001 *	ASY-30P**MM**S-QC8001 *	AY-33P**MM**S-QC8001 *	ASY-33P**MM**S-QC8001 *
	180° PCB Type	AY-30P**MM**P-QC8001 *	ASY-30P**MM**P-QC8001 *	AY-33P**MM**P-QC8001 *	ASY-33P**MM**P-QC8001 *
Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm[1] | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1430, XL-PVC Jacket	AY-30P**MM**S-QC8A11 *	ASY-30P**MM**S-QC8A11 *	AY-33P**MM**S-QC8A11 *	ASY-33P**MM**S-QC8A11 *
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M[1]					
	UL2517, PVC Jacket (For Data Group)	AY-30B**MM**M-QL8D11 *	ASY-30B**MM**M-QL8D11 *	AY-33B**MM**M-QL8D11 *	ASY-33B**MM**M-QL8D11 *
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.0 ~ 8.0mm Packing Option: Connector With Contacts					
	Solder Type	AY-30B**MM**G-QL8AP0 *	ASY-30B**MM**G-QL8AP0 *	AY-33B**MM**G-QL8AP0 *	ASY-33B**MM**G-QL8AP0 *

STRAIGHT -TO- **STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1] | Connector/Contact Gender: **(M)** MM, **(F)** FF					
	End1: **(M)** MM | End2: **(M)** MM UL21388, PVC Jacket	AB-AY30**M**L-AY**M**L-QD10 *	AB-ASY30**M**L-ASY**M**L-QD10 *	AB-AYZ33**M**L-AY**M**L-QD10 *	AB-ASY33**M**L-ASY**M**L-QD10 *
	End1: **(M)** MM | End2: **(F)** FF UL21388, PVC Jacket	AB-AY30**M**L-AY**F**L-QD10 *	AB-ASY30**M**L-ASY**F**L-QD10 *	AB-AY33**M**L-AY**F**L-QD10 *	AB-ASY33**M**L-ASY**F**L-QD10 *
STRAIGHT -TO- **RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1] | Connector/Contact Gender: **(M)** MM, **(F)** FF					
	End1: **(M)** MM | End2: **(F)** FF UL21388, PVC Jacket	AB-AY30**M**L-AY**F**R-QD10 *	AB-ASY30**M**L-ASY**F**R-QD10 *	AB-AY33**M**L-AY**F**R-QD10 *	AB-ASY33**M**L-ASY**F**R-QD10 *

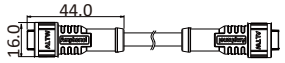
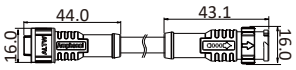
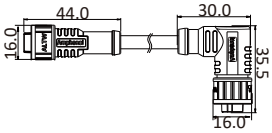
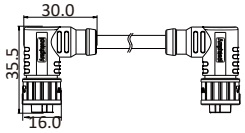
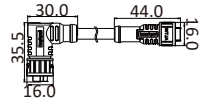
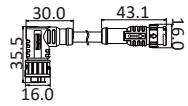
Mini A Size

Mating Pair Page: **27**

No of Contacts		2			
Rated Voltage (AC/DC)		30 ~ 300V			
Nominal Current		5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment **FF**: Female Connector Female Contact **FM**: Female Connector Male Contact		FF	FM	FF	FM
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated) (11) Cable Length: (01) 1M ~ (99) 99M [1)]					
	UL20549, PU Jacket	-	-	ASD-02B**FF**M-QL8B(11)*	-
	UL2517, PVC Jacket	-	-	ASD-02B**FF**M-QL8C(11)*	-
	UL21388, PVC Jacket	AD-02B**FF**M-QL8D(11)	AD-02B**FM**M-QL8D(11)*	ASD-02B**FF**M-QL8D(11)*	ASD-03BF**MM**-QL8D(11)*
	UL21996, PVC Jacket	-	-	ASD-02B**FF**M-QL8F(11)*	-
	IEC61156-12, PUR Jacket	AD-02B**FF**M-QL8P(11)	-	ASD-02B**FF**M-QL8P(11)	-
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated) (11) Cable Length: (01) 1M ~ (99) 99M [1)]					
	UL20549, PU Jacket	-	-	ASD-02B**FF**M-QR8B(11)*	-
	UL2517, PVC Jacket	-	-	ASD-02B**FF**M-QR8C(11)*	-
	UL21388, PVC Jacket	AD-02B**FF**M-QR8D(11)*	AD-02B**FM**M-QR8D(11)*	ASD-02B**FF**M-QR8D(11)*	ASD-02B**FM**M-QR8D(11)*
	UL21996, PVC Jacket	-	-	ASD-02B**FF**M-QR8F(11)*	-
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.0 ~ 8.0mm Packing Option: Connector With Contacts					
	Solder Type	AD-02B**FF**G-QL8AP0*	AD-02B**FM**G-QL8AP0*	ASD-02B**FF**G-QL8AP0*	ASD-02B**FM**G-QL8AP0*
	Screw-in Type	AD-02B**FF**B-QL8AP0*	AD-02B**FM**B-QL8AP0	ASD-02B**FF**B-QL8AP0*	ASD-02B**FM**B-QL8AP0*
	Crimp Type	AD-02B**FF**A-QL8AP0*	AD-02B**FM**A-QL8AP0*	ASD-02B**FF**A-QL8AP0*	ASD-02B**FM**A-QL8AP0*
	Push-in Type	AD-02B**FF**E-QL8AP0*	AD-02B**FM**E-QL8AP0*	ASD-02B**FF**E-QL8AP0*	ASD-02B**FM**E-QL8AP0*

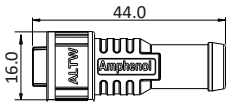
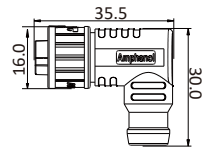
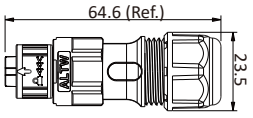
***Upon Request**

[1)] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts		2			
Rated Voltage (AC/DC)		30 ~ 300V			
Nominal Current		5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment **FF**: Female Connector Female Contact **MF**: Male Connector Female Contact **FM**: Female Connector Male Contact					
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF					
	End1: **(F)** FF | End2: **(F)** FF UL21388, PVC Jacket	AB-AD02**F**L-AD**F**L-QD⑩	-	AB-ASD02**F**L-ASD**F**L-QD⑩*	-
	End1: **(F)** FF | End2: **(F)** FF UL2517, PVC Jacket	-	-	AB-ASD02**F**L-ASD**F**L-QC⑩*	-
	End1: **(F)** FF | End2: **(F)** FF UL20549, PU Jacket	-	-	AB-ASD02**F**L-ASD**F**L-QB⑩*	-
	End1: **(F)** FF | End2: **(F)** FF UL21996, PVC Jacket	-	-	AB-ASD02**F**L-ASD**F**L-QF⑩*	-
	End1: **(F)** FF | End2: **(B)** FM	AB-AD02**F**L-AD**B**L-QD⑩*	-	AB-ASD02**F**L-ASD**B**L-QD⑩*	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-AD02**B**L-AD**B**L-QD⑩*	-	AB-ASD02**B**L-ASD**B**L-QD⑩*
	End1: **(F)** FF | End2: **(H)** MF	AB-AD02**F**L-AD**H**L-QD⑩*	-	AB-ASD02**F**L-ASD**H**L-QD⑩*	-
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF, **(B)** FM					
	End1: **(F)** FF | End2: **(F)** FF UL21388, PVC Jacket	AB-AD02**F**L-AD**F**R-QD⑩*	-	AB-ASD02**F**L-ASD**F**R-QD⑩*	-
	End1: **(F)** FF | End2: **(F)** FF UL2517, PVC Jacket	-	-	AB-ASD02**F**L-ASD**F**R-QC⑩*	-
	End1: **(F)** FF | End2: **(F)** FF UL20549, PU Jacket	-	-	AB-ASD02**F**L-ASD**F**R-QB⑩*	-
	End1: **(F)** FF | End2: **(F)** FF UL21996, PVC Jacket	-	-	AB-ASD02**F**L-ASD**F**R-QF⑩*	-
	End1: **(F)** FF | End2: **(B)** FM	AB-AD02**F**L-AD**B**R-QD⑩*	-	AB-ASD02**F**L-ASD**B**R-QD⑩*	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-AD02**B**L-AD**B**R-QD⑩*	-	AB-ASD02**B**L-ASD**B**R-QD⑩*
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF, **(B)** FM					
	End1: **(F)** FF | End2: **(F)** FF UL21388, PVC Jacket	AB-AD02**F**R-AD**F**R-QD⑩*	-	AB-ASD02**F**R-ASD**F**R-QD⑩*	-
	End1: **(F)** FF | End2: **(F)** FF UL2517, PVC Jacket	-	-	AB-ASD02**F**R-ASD**F**R-QC⑩*	-
	End1: **(F)** FF | End2: **(F)** FF UL20549, PU Jacket	-	-	AB-ASD02**F**R-ASD**F**R-QB⑩*	-
	End1: **(F)** FF | End2: **(F)** FF UL21996, PVC Jacket	-	-	AB-ASD02**F**R-ASD**F**R-QF⑩*	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-AD02**B**R-AD**B**R-QD⑩*	-	AB-ASD02**B**R-ASD**B**R-QD⑩*
	End1: **(F)** FF | End2: **(B)** FM	AB-AD02**F**R-AD**B**R-QD⑩*	-	AB-ASD02**F**R-ASD**B**R-QD⑩*	-
RIGHT ANGLE-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF					
	End1: **(F)** FF | End2: **(B)** FM	AB-AD02**F**R-AD**B**L-QD⑩*	-	AB-ASD02**F**R-ASD**B**L-QD⑩*	-
	End1: **(F)** FF | End2: **(H)** MF	AB-AD02**F**R-AD**H**L-QD⑩*	-	AB-ASD02**F**R-ASD**H**L-QD⑩*	-

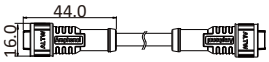
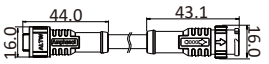
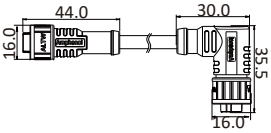
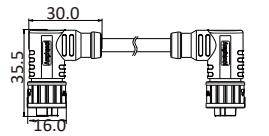
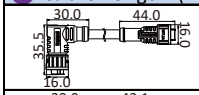
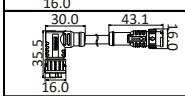
Mini A Size

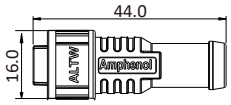
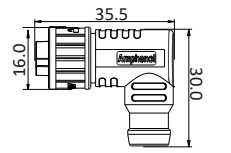
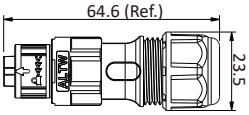
Mating Pair Page: **29**

No of Contacts	3					
Rated Voltage (AC/DC)	30 ~ 300V				30 ~ 630V	
Nominal Current	5A				16A	
Plastic / Metal	Plastic		Metal		Plastic	Metal
Pin Assignment **FF**: Female Connector Female Contact **FM**: Female Connector Male Contact **F/F+M** (G): Female Connector + Female PWR + Male GND	FF	FM	FF	FM	F/F+M (G)	
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated) (11) Cable Length: (01) 1M ~ (99) 99M [1)]						
	UL20549, PU Jacket	-	-	ASD-03B**FF**M-QL8B(11)*	-	-	-
	UL2517, PVC Jacket	-	-	ASD-03B**FF**M-QL8C(11)*	-	-	-
	UL21388, PVC Jacket	AD-03B**FF**M-QL8D(11)	AD-03B**FM**M-QL8D(11)*	ASD-03B**FF**M-QL8D(11)*	ASD-03B**FM**M-QL8D(11)*	-	-
	UL21996, PVC Jacket	-	-	ASD-03B**FF**M-QL8F(11)*	-	-	-
	UL20234, TPU Jacket (For Power Group)	-	-	-	-	AG-03B**FG**M-QL8G(11)*	ASG-03B**FG**M-QL8G(11)*
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated) (11) Cable Length: (01) 1M ~ (99) 99M [1)]						
	UL20549, PU Jacket	-	-	ASD-03B**FF**M-QR8B(11)*	-	-	-
	UL2517, PVC Jacket	-	-	ASD-03B**FF**M-QR8C(11)*	-	-	-
	UL21388, PVC Jacket	AD-03B**FF**M-QR8D(11)*	AD-03B**FM**M-QR8D(11)*	ASD-03B**FF**M-QR8D(11)*	ASD-03B**FM**M-QR8D(11)*	-	-
	UL21996, PVC Jacket	-	-	ASD-03B**FF**M-QR8F(11)*	-	-	-
	UL20234, TPU Jacket (For Power Group)	-	-	-	-	AG-03B**FG**M-QR8G(11)*	ASG-03B**FG**M-QR8G(11)*
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.0 ~ 8.0mm Packing Option: Connector With Contacts						
	Solder Type	AD-03B**FF**G-QL8AP0*	AD-03B**FM**G-QL8AP0*	ASD-03B**FF**G-QL8AP0*	ASD-03B**FM**G-QL8AP0*	AG-03B**FG**B-QL8APP*	ASG-03B**FG**G-QL8APP*
	Screw-in Type (16A: For Power Group)	AD-03B**FF**B-QL8AP0	AD-03B**FM**B-QL8AP0	ASD-03B**FF**B-QL8AP0*	ASD-03B**FM**B-QL8AP0*	AG-03B**FG**B-QL8APP*	ASG-03B**FG**B-QL8APP*
	Crimp Type (16A: For Power Group)	AD-03B**FF**A-QL8AP0*	AD-03B**FM**A-QL8AP0*	ASD-03B**FF**A-QL8AP0*	ASD-03B**FM**A-QL8AP0*	AG-03B**FG**A-QL8APP*	ASG-03B**FG**A-QL8APP*
	Push-in Type (16A: For Power Group)	AD-03B**FF**E-QL8AP0*	AD-03B**FM**E-QL8AP0*	ASD-03B**FF**E-QL8AP0*	ASD-03B**FM**E-QL8AP0*	AG-03B**FG**E-QL8APP*	ASG-03B**FG**E-QL8APP*

***Upon Request**

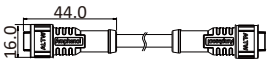
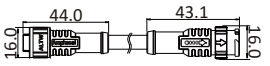
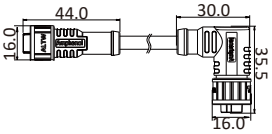
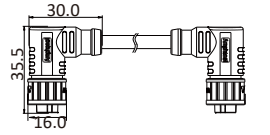
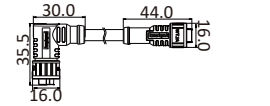
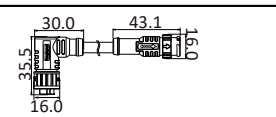
[1)] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

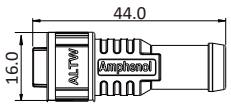
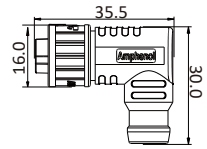
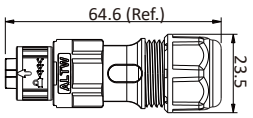
No of Contacts		3					
Rated Voltage (AC/DC)		30 ~ 300V				30 ~ 630V	
Nominal Current		5A				16A	
Plastic / Metal		Plastic		Metal		Plastic	Metal
Pin Assignment **FF**: Female Connector Female Contact **MF**: Male Connector Female Contact **FM**: Female Connector Male Contact **F/F+M**: Female Connector + Female PWR + Male GND							
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF, **(Z)** F/F+M							
	End1: **(F)** FF | End2: **(F)** FF UL21388, PVC Jacket	AB-AD03**F**L-AD**F**L-QD 10	-	AB-ASD03**F**L-ASD**F**L-QD 10 *	-	-	-
	End1: **(F)** FF | End2: **(F)** FF UL2517, PVC Jacket	-	-	AB-ASD03**F**L-ASD**F**L-QC 10 *	-	-	-
	End1: **(F)** FF | End2: **(F)** FF UL20549, PU Jacket	-	-	AB-ASD03**F**L-ASD**F**L-QB 10 *	-	-	-
	End1: **(F)** FF | End2: **(F)** FF UL21996, PVC Jacket	-	-	AB-ASD03**F**L-ASD**F**L-QF 10 *	-	-	-
	End1: **(Z)** F/F+M | End2: **(Z)** F/F+M, UL20234, TPU Jacket (For Power Group)	-	-	-	-	AB-AG03**Z**L-AG**Z**L-QG 10 *	AB-ASG03**Z**L-ASG**Z**L-QG 10 *
	End1: **(F)** FF | End2: **(B)** FM	AB-AD03**F**L-AD**B**L-QD 10 *	-	AB-ASD03**F**L-ASD**B**L-QD 10 *	-	-	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-AD03**B**L-AD**B**L-QD 10 *	-	AB-ASD03**B**L-ASD**B**L-QD 10 *	-	-
	End1: **(F)** FF | End2: **(H)** MF	AB-AD03**F**L-AD**H**L-QD 10 *	-	AB-ASD03**F**L-ASD**H**L-QD 10 *	-	-	-
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(Z)** F/F+M							
	End1: **(F)** FF | End2: **(F)** FF UL21388, PVC Jacket	AB-AD03**F**L-AD**F**R-QD 10 *	-	AB-ASD03**F**L-ASD**F**R-QD 10 *	-	-	-
	End1: **(F)** FF | End2: **(F)** FF UL2517, PVC Jacket	-	-	AB-ASD03**F**L-ASD**F**R-QC 10 *	-	-	-
	End1: **(F)** FF | End2: **(F)** FF UL20549, PU Jacket	-	-	AB-ASD03**F**L-ASD**F**R-QB 10 *	-	-	-
	End1: **(F)** FF | End2: **(F)** FF UL21996, PVC Jacket	-	-	AB-ASD03**F**L-ASD**F**R-QF 10 *	-	-	-
	End1: **(Z)** F/F+M | End2: **(Z)** F/F+M, UL20234, TPU Jacket (For Power Group)	-	-	-	-	AB-AG03**Z**L-AG**Z**R-QG 10 *	AB-ASG03**Z**L-ASG**Z**R-QG 10 *
	End1: **(F)** FF | End2: **(B)** FM	AB-AD03**F**L-AD**B**R-QD 10 *	-	AB-ASD03**F**L-ASD**B**R-QD 10 *	-	-	
	End1: **(B)** FM | End2: **(B)** FM	-	AB-AD02**B**L-AD**B**R-QD 10 *	-	AB-ASD03**B**L-ASD**B**R-QD 10 *	-	-
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(Z)** F/F+M							
	End1: **(F)** FF | End2: **(F)** FF UL21388, PVC Jacket	AB-AD03**F**R-AD**F**R-QD 10 *	-	AB-ASD03**F**R-ASD**F**R-QD 10 *	-	-	-
	End1: **(F)** FF | End2: **(F)** FF UL2517, PVC Jacket	-	-	AB-ASD03**F**R-ASD**F**R-QC 10 *	-	-	-
	End1: **(F)** FF | End2: **(F)** FF UL20549, PU Jacket	-	-	AB-ASD03**F**R-ASD**F**R-QB 10 *	-	-	-
	End1: **(F)** FF | End2: **(F)** FF UL21996, PVC Jacket	-	-	AB-ASD03**F**R-ASD**F**R-QF 10 *	-	-	-
	End1: **(Z)** F/F+M | End2: **(Z)** F/F+M, UL20234, TPU Jacket (For Power Group)	-	-	-	-	AB-AG03**Z**R-AG**Z**R-QG 10 *	AB-ASG03**Z**R-ASG**Z**R-QG 10 *
	End1: **(B)** FM | End2: **(B)** FM	-	AB-AD03**B**R-AD**B**R-QD 10 *	-	AB-ASD03**B**R-ASD**B**R-QD 10 *	-	-
	End1: **(F)** FF | End2: **(B)** FM	AB-AD03**F**R-AD**B**R-QD 10 *	-	AB-ASD03**F**R-ASD**B**R-QD 10 *	-	-	-
RIGHT ANGLE-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF							
	End1: **(F)** FF | End2: **(B)** FM	AB-AD03**F**R-AD**B**L-QD 10 *	-	AB-ASD03**F**R-ASD**B**L-QD 10 *	-	-	-
	End1: **(F)** FF | End2: **(H)** MF	AB-AD03**F**R-AD**H**L-QD 10 *	-	AB-ASD03**F**R-ASD**H**L-QD 10 *	-	-	-

No of Contacts		4			
Rated Voltage (AC/DC)		30 ~ 300V		30 ~ 630V	
Nominal Current		5A		16A	
Plastic / Metal		Plastic	Metal	Plastic	Metal
Pin Assignment **FF**: Female Connector Female Contact **F/F+M** (G): Female Connector + Female PWR + Male GND		FF		F/F+M (G)	
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]					
	UL20549, PU Jacket	-	ASD-04B**FF**M-QL8B11*	-	-
	UL2517, PVC Jacket	-	ASD-04B**FF**M-QL8C11	-	-
	UL21388, PVC Jacket	AD-04B**FF**M-QL8D11	ASD-04B**FF**M-QL8D11*	-	-
	UL21996, PVC Jacket	-	ASD-04B**FF**M-QL8F11*	-	-
	UL20234, TPU Jacket (For Power Group)	-	-	AG-04B**FG**M-QL8G11*	ASG-04B**FG**M-QL8G11*
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]					
	UL20549, PU Jacket	-	ASD-04B**FF**M-QR8B11*	-	-
	UL2517, PVC Jacket	-	ASD-04B**FF**M-QR8C11*	-	-
	UL21388, PVC Jacket	AD-04B**FF**M-QR8D11*	ASD-04B**FF**M-QR8D11*	-	-
	UL21996, PVC Jacket	-	ASD-04B**FF**M-QR8F11*	-	-
	UL20234, TPU Jacket (For Power Group)	-	-	AG-04B**FG**M-QR8G11*	ASG-04B**FG**M-QR8G11*
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.0 ~ 8.0mm Packing Option: Connector With Contacts					
	Solder Type	AD-04B**FF**G-QL8AP0*	ASD-04B**FF**G-QL8AP0*	AG-04B**FG**G-QL8APP*	ASG-04B**FG**G-QL8APP*
	Screw-in Type (16A: For Power Group)	AD-04B**FF**B-QL8AP0	ASD-04B**FF**B-QL8AP0*	AG-04B**FG**B-QL8APP*	ASG-04B**FG**B-QL8APP*
	Crimp Type (16A: For Power Group)	AD-04B**FF**A-QL8AP0*	ASD-04B**FF**A-QL8AP0*	AG-04B**FG**A-QL8APP*	ASG-04B**FG**A-QL8APP*
	Push-in Type (16A: For Power Group)	AD-04B**FF**E-QL8AP0*	ASD-04B**FF**E-QL8AP0*	AG-04B**FG**E-QL8APP*	ASG-04B**FG**E-QL8APP*

***Upon Request**

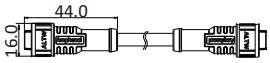
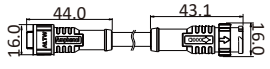
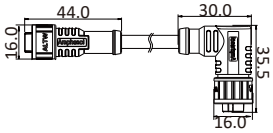
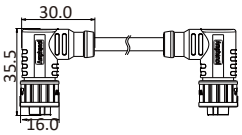
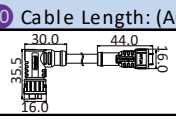
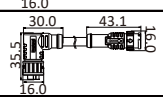
[1)] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts		4			
Rated Voltage (AC/DC)		30 ~ 300V		30 ~ 630V	
Nominal Current		5A		16A	
Plastic / Metal		Plastic	Metal	Plastic	Metal
Pin Assignment **FF**: Female Connector Female Contact **MF**: Male Connector Female Contact **FM**: Female Connector Male Contact **F/F+M**: Female Connector + Female PWR + Male GND					
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF, **(Z)** F/F+M					
	End1: **(F)** FF | End2: **(F)** FF UL21388, PVC Jacket	AB-AD04**F**L-AD**F**L-QD⑩	AB-ASD04**F**L-ASD**F**L-QD⑩*	-	-
	End1: **(F)** FF | End2: **(F)** FF UL2517, PVC Jacket	-	AB-ASD04**F**L-ASD**F**L-QC⑩*	-	-
	End1: **(F)** FF | End2: **(F)** FF UL20549, PU Jacket	-	AB-ASD04**F**L-ASD**F**L-QB⑩*	-	-
	End1: **(F)** FF | End2: **(F)** FF UL21996, PVC Jacket	-	AB-ASD04**F**L-ASD**F**L-QF⑩*	-	-
	End1: **(Z)** F/F+M | End2: **(Z)** F/F+M UL20234, TPU Jacket (For Power Group)	-	-	AB-AG04**Z**L-AG**Z**L-QG⑩*	AB-ASG04**Z**L-ASG**Z**L-QG⑩*
	End1: **(F)** FF | End2: **(B)** FM	AB-AD04**F**L-AD**B**L-QD⑩*	AB-ASD04**F**L-ASD**B**L-QD⑩*	-	-
	End1: **(F)** FF | End2: **(H)** MF	AB-AD04**F**L-AD**H**L-QD⑩*	AB-ASD04**F**L-ASD**H**L-QD⑩*	-	-
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(Z)** F/F+M					
	End1: **(F)** FF | End2: **(F)** FF UL21388, PVC Jacket	AB-AD04**F**L-AD**F**R-QD⑩*	AB-ASD04**F**L-ASD**F**R-QD⑩*	-	-
	End1: **(F)** FF | End2: **(F)** FF UL2517, PVC Jacket	-	AB-ASD04**F**L-ASD**F**R-QC⑩*	-	-
	End1: **(F)** FF | End2: **(F)** FF UL20549, PU Jacket	-	AB-ASD04**F**L-ASD**F**R-QB⑩*	-	-
	End1: **(F)** FF | End2: **(F)** FF UL21996, PVC Jacket	-	AB-ASD04**F**L-ASD**F**R-QF⑩*	-	-
	End1: **(Z)** F/F+M | End2: **(Z)** F/F+M UL20234, TPU Jacket (For Power Group)	-	-	AB-AG04**Z**L-AG**Z**R-QG⑩*	AB-ASG04**Z**L-ASG**Z**R-QG⑩*
	End1: **(F)** FF | End2: **(B)** FM	AB-AD04**F**L-AD**B**R-QD⑩*	AB-ASD04**F**L-ASD**B**R-QD⑩*	-	
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(Z)** F/F+M					
	End1: **(F)** FF | End2: **(F)** FF UL21388, PVC Jacket	AB-AD04**F**R-AD**F**R-QD⑩*	AB-ASD04**F**R-ASD**F**R-QD⑩*	-	-
	End1: **(F)** FF | End2: **(F)** FF UL2517, PVC Jacket	-	AB-ASD04**F**R-ASD**F**R-QC⑩*	-	-
	End1: **(F)** FF | End2: **(F)** FF UL20549, PU Jacket	-	AB-ASD04**F**R-ASD**F**R-QB⑩*	-	-
	End1: **(F)** FF | End2: **(F)** FF UL21996, PVC Jacket	-	AB-ASD04**F**R-ASD**F**R-QF⑩*	-	-
	End1: **(Z)** F/F+M | End2: **(Z)** F/F+M UL20234, TPU Jacket (For Power Group)	-	-	AB-AG04**Z**R-AG**Z**R-QG⑩	AB-ASG04**Z**R-ASG**Z**R-QG⑩*
	End1: **(F)** FF | End2: **(B)** FM	AB-AD04**F**R-AD**B**R-QD⑩*	AB-ASD04**F**R-ASD**B**R-QD⑩*	-	-
RIGHT ANGLE-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF					
	End1: **(F)** FF | End2: **(B)** FM	AB-AD04**F**R-AD**B**L-QD⑩*	AB-ASD04**F**R-ASD**B**L-QD⑩*	-	-
	End1: **(F)** FF | End2: **(H)** MF	AB-AD04**F**R-AD**H**L-QD⑩*	AB-ASD04**F**R-ASD**H**L-QD⑩*	-	-

No of Contacts	5					
Rated Voltage (AC/DC)	30 ~ 300V		30 ~ 630V			
Nominal Current	5A		16A			
Plastic / Metal	Plastic	Metal	Plastic	Metal	Plastic	Metal
Pin Assignment **FF**: Female Connector Female Contact **F/F+M** (G): Female Connector + Female PWR + Male GND	FF		F/F+M (G)		FF	
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated) (11) Cable Length: (01) 1M ~ (99) 99M [1)]						
	UL20549, PU Jacket	-	ASD-05B**FF**M-QL8B(11)	-	-	-	-
	UL2517, PVC Jacket	-	ASD-05B**FF**M-QL8C(11)	-	-	-	-
	UL21388, PVC Jacket	AD-05B**FF**M-QL8D(11)	ASD-05B**FF**M-QL8D(11)*	-	-	-	-
	UL21996, PVC Jacket	-	ASD-05B**FF**M-QL8F(11)	-	-	-	-
	UL20234, TPU Jacket (For Power Group)	-	-	AG-05B**FG**M-QL8G(11)	ASG-05B**FG**M-QL8G(11)*	AG-05B**FF**M-QL8G(11)	ASG-05B**FF**M-QL8G(11)*
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated) (11) Cable Length: (01) 1M ~ (99) 99M [1)]						
	UL20549, PU Jacket	-	ASD-05B**FF**M-QR8B(11)*	-	-	-	-
	UL21388, PVC Jacket	AD-05B**FF**M-QR8D(11)	ASD-05B**FF**M-QR8D(11)*	-	-	-	-
	UL21996, PVC Jacket	-	ASD-05B**FF**M-QR8F(11)*	-	-	-	-
	UL20234, TPU Jacket (For Power Group)	-	-	AG-05B**FG**M-QR8G(11)*	ASG-05B**FG**M-QR8G(11)*	AG-05B**FF**M-QR8G(11)*	ASG-05B**FF**M-QR8G(11)*
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.0 ~ 8.0mm Packing Option: Connector With Contacts						
	Solder Type	AD-05B**FF**G-QL8AP0*	ASD-05B**FF**G-QL8AP0*	AG-05B**FG**G-QL8APP*	ASG-05B**FG**G-QL8APP*	AG-05B**FF**G-QL8APP*	ASG-05B**FF**G-QL8APP*
	Screw-in Type (16A: For Power Group)	AD-05B**FF**B-QL8AP0	ASD-05B**FF**B-QL8AP0*	AG-05B**FG**B-QL8APP*	ASG-05B**FG**B-QL8APP*	AG-05B**FF**B-QL8APP*	ASG-05B**FF**B-QL8APP*
	Crimp Type (16A: For Power Group)	AD-05B**FF**A-QL8AP0*	ASD-05B**FF**A-QL8AP0*	AG-05B**FG**A-QL8APP*	ASG-05B**FG**A-QL8APP*	AG-05B**FF**A-QL8APP*	ASG-05B**FF**A-QL8APP*
	Push-in Type (16A: For Power Group)	AD-05B**FF**E-QL8AP0*	ASD-05B**FF**E-QL8AP0*	AG-05B**FG**E-QL8APP*	ASG-05B**FG**E-QL8APP*	AG-05B**FF**E-QL8APP*	ASG-05B**FF**E-QL8APP*

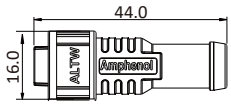
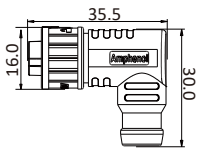
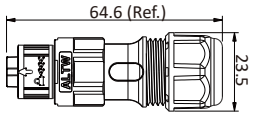
***Upon Request**

[1)] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts		5					
Rated Voltage (AC/DC)		30 ~ 300V		30 ~ 630V			
Nominal Current		5A		16A			
Plastic / Metal		Plastic	Metal	Plastic	Metal	Plastic	Metal
Pin Assignment **FF**: Female Connector Female Contact **MF**: Male Connector Female Contact **FM**: Female Connector Male Contact **F/F+M**: Female Connector + Female PWR + Male GND							
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF, **(Z)** F/F+M							
	End1: **(F)** FF | End2: **(F)** FF UL21388, PVC Jacket	AB-AD05**F**L-AD**F**L-QD 10	AB-ASD05**F**L-ASD**F**L-QD 10 *	-	-	-	-
	End1: **(F)** FF | End2: **(F)** FF UL2517, PVC Jacket	-	AB-ASD05**F**L-ASD**F**L-QC 10 *	-	-	-	-
	End1: **(F)** FF | End2: **(F)** FF UL20549, PU Jacket	-	AB-ASD05**F**L-ASD**F**L-QB 10 *	-	-	-	-
	End1: **(F)** FF | End2: **(F)** FF UL21996, PVC Jacket	-	AB-ASD05**F**L-ASD**F**L-QF 10 *	-	-	-	-
	End1: **(F)** FF | End2: **(F)** FF,UL20234, TPU Jacket (For Power Group)	-	-	-	-	AB-AG05**F**L-AG**F**L-QG 10 *	AB-ASG05**F**L-ASG**F**L-QG 10 *
	End1: **(Z)** F/F+M | End2: **(Z)** F/F+M,UL20234, TPU Jacket (For Power Group)	-	-	AB-AG05**Z**L-AG**Z**L-QG 10 *	AB-ASG05**Z**L-ASG**Z**L-QG 10 *	-	-
	End1: **(F)** FF | End2: **(B)** FM	AB-AD05**F**L-AD**B**L-QD 10 *	AB-ASD05**F**L-ASD**B**L-QD 10 *	-	-	-	-
	End1: **(F)** FF | End2: **(H)** MF	AB-AD05**F**L-AD**H**L-QD 10 *	AB-ASD05**F**L-ASD**H**L-QD 10 *	-	-	-	-
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(Z)** F/F+M							
	End1: **(F)** FF | End2: **(F)** FF UL21388, PVC Jacket	AB-AD05**F**L-AD**F**R-QD 10 *	AB-ASD05**F**L-ASD**F**R-QD 10 *	-	-	-	-
	End1: **(F)** FF | End2: **(F)** FF UL2517, PVC Jacket	-	AB-ASD05**F**L-ASD**F**R-QC 10 *	-	-	-	-
	End1: **(F)** FF | End2: **(F)** FF UL20549, PU Jacket	-	AB-ASD05**F**L-ASD**F**R-QB 10 *	-	-	-	-
	End1: **(F)** FF | End2: **(F)** FF UL21996, PVC Jacket	-	AB-ASD05**F**L-ASD**F**R-QF 10 *	-	-	-	-
	End1: **(F)** FF | End2: **(F)** FF UL20234, TPU Jacket (For Power Group)	-	-	-	-	AB-AG05**F**L-AG**F**R-QG 10 *	AB-ASG05**F**L-ASG**F**R-QG 10 *
	End1: **(Z)** F/F+M | End2: **(Z)** F/F+M, UL20234, TPU Jacket (For Power Group)	-	-	AB-AG05**Z**L-AG**Z**R-QG 10 *	AB-ASG05**Z**L-ASG**Z**R-QG 10 *	-	-
	End1: **(F)** FF | End2: **(B)** FM	AB-AD05**F**L-AD**B**R-QD 10 *	AB-ASD05**F**L-ASD**B**R-QD 10 *	-	-	-	-
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(Z)** F/F+M							
	End1: **(F)** FF | End2: **(F)** FF UL21388, PVC Jacket	AB-AD05**F**R-AD**F**R-QD 10 *	AB-ASD05**F**R-ASD**F**R-QD 10 *	-	-	-	-
	End1: **(F)** FF | End2: **(F)** FF UL2517, PVC Jacket	-	AB-ASD05**F**R-ASD**F**R-QC 10 *	-	-	-	-
	End1: **(F)** FF | End2: **(F)** FF UL20549, PU Jacket	-	AB-ASD05**F**R-ASD**F**R-QB 10 *	-	-	-	-
	End1: **(F)** FF | End2: **(F)** FF UL21996, PVC Jacket	-	AB-ASD05**F**R-ASD**F**R-QF 10 *	-	-	-	-
	End1: **(F)** FF | End2: **(F)** FF UL20234, TPU Jacket (For Power Group)	-	-	-	-	AB-AG05**F**R-AG**F**R-QG 10 *	AB-ASG05**F**R-ASG**F**R-QG 10 *
	End1: **(Z)** F/F+M | End2: **(Z)** F/F+M, UL20234, TPU Jacket (For Power Group)	-	-	AB-AG05**Z**R-AG**Z**R-QG 10 *	AB-ASG05**Z**R-ASG**Z**R-QG 10 *	-	-
	End1: **(F)** FF | End2: **(B)** FM	AB-AD05**F**R-AD**B**R-QD 10 *	AB-ASD05**F**R-ASD**B**R-QD 10 *	-	-	-	-
RIGHT ANGLE-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF							
	End1: **(F)** FF | End2: **(B)** FM	AB-AD05**F**R-AD**B**L-QD 10 *	AB-ASD05**F**R-ASD**B**L-QD 10 *	-	-	-	-
	End1: **(F)** FF | End2: **(H)** MF	AB-AD05**F**R-AD**H**L-QD 10 *	AB-ASD05**F**R-ASD**H**L-QD 10 *	-	-	-	-

Mini A Size

Mating Pair Page: **35**

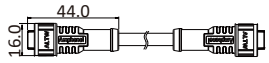
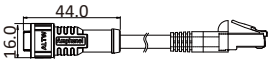
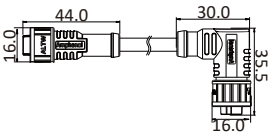
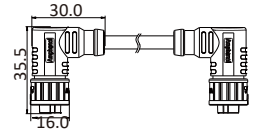
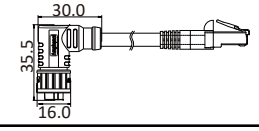
No of Contacts		6		8		
Rated Voltage (AC/DC)		30 ~ 300V		30 ~ 300V		
Nominal Current		2A		0.5A	2A	
Plastic / Metal		Plastic	Metal	Metal	Plastic	Metal
Pin Assignment **FF**: Female Connector Female Contact		FF		FF	FF	
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated) ⑪ Cable Length: (01) 1M ~ (99) 99M [1)]						
	UL20549, PU Jacket	-	ASU-06B**FF**M-QL8B⑪*	-	-	ASU-08B**FF**M-QL8B⑪
	UL2517, PVC Jacket	-	ASU-06B**FF**M-QL8C⑪*	-	-	ASU-08B**FF**M-QL8C⑪
	UL21388, PVC Jacket	AU-06B**FF**M-QL8D⑪	ASU-06B**FF**M-QL8D⑪*	-	AU-08B**FF**M-QL8D⑪	ASU-08B**FF**M-QL8D⑪*
	UL21996, PVC Jacket	-	ASU-06B**FF**M-QL8F⑪*	-	-	ASU-08BFFM-QL8F⑪
	Cat. 6A, TPU Jacket	-	-	ASY-A08B**FF**M-QL8J⑪	-	-
	UTP Cat. 5e, PVC Jacket	-	-	-	AU-08B**FF**M-QL8H⑪*	-
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated) ⑪ Cable Length: (01) 1M ~ (99) 99M [1)]						
	UL20549, PU Jacket	-	ASU-06B**FF**M-QR8B⑪*	-	-	ASU-08B**FF**M-QR8B⑪*
	UL2517, PVC Jacket	-	ASU-06B**FF**M-QR8C⑪*	-	-	ASU-08B**FF**M-QR8C⑪*
	UL21388, PVC Jacket	AU-06B**FF**M-QR8D⑪*	ASU-06B**FF**M-QR8D⑪*	-	AU-08B**FF**M-QR8D⑪	ASU-08B**FF**M-QR8D⑪*
	UL21996, PVC Jacket	-	ASU-06B**FF**M-QR8F⑪*	-	-	ASU-08B**FF**M-QR8F⑪*
	Cat. 6A, TPU Jacket	-	-	ASY-A08B**FF**M-QR8J⑪*	-	-
	UTP Cat. 5e, PVC Jacket	-	-	-	AU-08B**FF**M-QR8H⑪*	-
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.0 ~ 8.0mm Packing Option: Connector With Contacts						
	Solder Type	AU-06B**FF**G-QL8AP0*	ASU-06B**FF**G-QL8AP0*	-	AU-08B**FF**G-QL8AP0*	ASU-08B**FF**G-QL8AP0*
	Screw-in Type	AU-06B**FF**B-QL8AP0*	ASU-06B**FF**B-QL8AP0*	-	AU-08B**FF**B-QL8AP0	ASU-08B**FF**B-QL8AP0*
	Crimp Type	AU-06B**FF**A-QL8AP0*	ASU-06B**FF**A-QL8AP0*	-	AU-08B**FF**A-QL8AP0	ASU-08B**FF**A-QL8AP0*

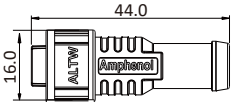
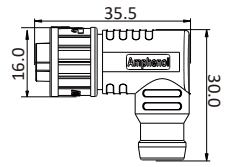
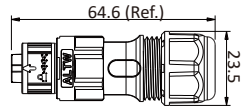
***Upon Request**

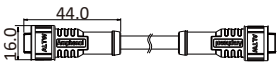
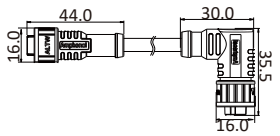
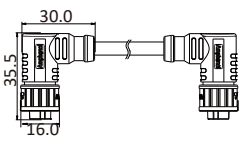
[1)] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

Mini A Size

Mating Pair Page: **36**

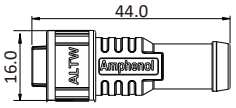
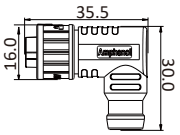
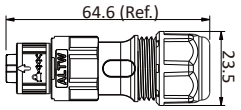
No of Contacts		6		8		
Rated Voltage (AC/DC)		30 ~ 300V		30 ~ 300V		
Nominal Current		2A		0.5A	2A	
Plastic / Metal		Plastic	Metal	Metal	Plastic	Metal
Pin Assignment **MM**: Male Connector Male Contact **FF**: Female Connector Female Contact						
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF, **(M)** MM						
	End1: **(F)** FF | End2: **(F)** FF UL21388, PVC Jacket	AB-AU06**FL**-AU**FL**-QD⑩	AB-ASU06**FL**-ASU**FL**-QD⑩*	-	AB-AU08**FL**-AU**FL**-QD⑩	AB-ASU08**FL**-ASU**FL**-QD⑩*
	End1: **(F)** FF | End2: **(F)** FF UL2517, PVC Jacket	-	AB-ASU06**FL**-ASU**FL**-QC⑩*	-	-	AB-ASU08**FL**-ASU**FL**-QC⑩*
	End1: **(F)** FF | End2: **(F)** FF UL20549, PU Jacket	-	AB-ASU06**FL**-ASU**FL**-QB⑩*	-	-	AB-ASU08**FL**-ASU**FL**-QB⑩*
	End1: **(F)** FF | End2: **(F)** FF UL21996, PVC Jacket	-	AB-ASU06**FL**-ASU**FL**-QF⑩*	-	-	AB-ASU08**FL**-ASU**FL**-QF⑩*
	End1: **(F)** FF | End2: **(F)** FF (UTP Cat. 5e, PVC Jacket)	-	-	-	AB-AU08**FL**-AU**FL**-QH⑩*	-
	End1: **(F)** FF | End2: **(F)** FF (Cat. 6A, TPU Jacket)	-	-	AB-ASYA08**FL**-ASY**FL**-QJ⑩*	-	-
	Female Conn Female Contact to RJ45 Plug (Cat. 5e)	-	-	-	AB-AU08**FL**-UPB**M**L-QH⑩	-
	Female Conn Female Contact to RJ45 Plug (Cat. 6A)	-	-	AB-ASYA08**FL**-SPB**M**L-QJ⑩*	-	-
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF						
	End1: **(F)** FF | End2: **(F)** FF UL21388, PVC Jacket	AB-AU06**FL**-AU**FR**-QD⑩*	AB-ASU06**FL**-ASU**FR**-QD⑩*	-	AB-AU08**FL**-AU**FR**-QD⑩*	AB-ASU08**FL**-ASU**FR**-QD⑩*
	End1: **(F)** FF | End2: **(F)** FF UL2517, PVC Jacket	-	AB-ASU06**FL**-ASU**FR**-QC⑩*	-	-	AB-ASU08**FL**-ASU**FR**-QC⑩*
	End1: **(F)** FF | End2: **(F)** FF UL20549, PU Jacket	-	AB-ASU06**FL**-ASU**FR**-QB⑩*	-	-	AB-ASU08**FL**-ASU**FR**-QB⑩*
	End1: **(F)** FF | End2: **(F)** FF UL21996, PVC Jacket	-	AB-ASU06**FL**-ASU**FR**-QF⑩*	-	-	AB-ASU08**FL**-ASU**FR**-QF⑩*
	End1: **(F)** FF | End2: **(F)** FF (UTP Cat. 5e, PVC Jacket)	-	-	-	AB-AU08**FL**-AU**FR**-QH⑩*	-
	End1: **(F)** FF | End2: **(F)** FF (Cat. 6A, TPU Jacket)	-	-	AB-ASYA08**FL**-ASY**FR**-QJ⑩*	-	-
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF						
	End1: **(F)** FF | End2: **(F)** FF UL21388, PVC Jacket	AB-AU06**FR**-AU**FR**-QD⑩*	AB-ASU06**FR**-ASU**FR**-QD⑩*	-	AB-AU08**FR**-AU**FR**-QD⑩*	AB-ASU08**FR**-ASU**FR**-QD⑩*
	End1: **(F)** FF | End2: **(F)** FF UL2517, PVC Jacket	-	AB-ASU06**FR**-ASU**FR**-QC⑩*	-	-	AB-ASU08**FR**-ASU**FR**-QC⑩*
	End1: **(F)** FF | End2: **(F)** FF UL20549, PU Jacket	-	AB-ASU06**FR**-ASU**FR**-QB⑩*	-	-	AB-ASU08**FR**-ASU**FR**-QB⑩*
	End1: **(F)** FF | End2: **(F)** FF UL21996, PVC Jacket	-	AB-ASU06**FR**-ASU**FR**-QF⑩*	-	-	AB-ASU08**FR**-ASU**FR**-QF⑩*
	End1: **(F)** FF | End2: **(F)** FF (UTP Cat. 5e, PVC Jacket)	-	-	-	AB-AU08**FR**-AU**FR**-QH⑩*	-
	End1: **(F)** FF | End2: **(F)** FF (Cat. 6A, TPU Jacket)	-	-	AB-ASYA08**FR**-ASY**FR**-QJ⑩*	-	-
RIGHT ANGLE-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF, **(M)** MM						
	Female Conn Female Contact to RJ45 Plug (Cat. 5e)	-	-	-	AB-AU08**FR**-UPB**M**L-QH⑩*	-
	Female Conn Female Contact to RJ45 Plug (Cat. 6A)	-	-	AB-ASY08**FR**-SPB**M**L-QJ⑩*	-	-

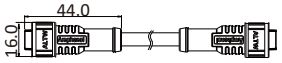
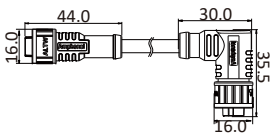
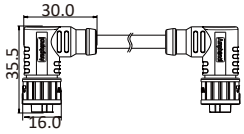
No of Contacts	10		12		17	
Rated Voltage (AC/DC)	30		30		30	
Nominal Current	1.5A		1.5A		1.5A	
Plastic / Metal	Plastic	Metal	Plastic	Metal	Plastic	Metal
Pin Assignment **FF** : Female Connector Female Contact	FF		FF		FF	
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (10) 100mm ~ (50) 500mm[1)]						
	UL21388, PVC Jacket	AZ-10B**FF**M-QL8D11*	ASZ-10B**FF**M-QL8D11*	AZ-12B**FF**M-QL8D11*	ASZ-12B**FF**M-QL8D11*	AZ-17B**FF**M-QL8D11*	ASZ-17B**FF**M-QL8D11*
	UL2517, PVC Jacket	AZ-10B**FF**M-QL8C11*	ASZ-10B**FF**M-QL8C11*	AZ-12B**FF**M-QL8C11	AZ-12B**FF**M-QL8C11	AZ-17B**FF**M-QL8C11	AZ-17B**FF**M-QL8C11
	UL20549, PU Jacket	-	-	-	ASZ-12B**FF**M-QL8B11	-	ASZ-17B**FF**M-QL8B11
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (10) 100mm ~ (50) 500mm[1)]						
	UL21388, PVC Jacket	AZ-10B**FF**M-QR8D11*	ASZ-10B**FF**M-QR8D11*	AZ-12B**FF**M-QR8D11*	ASZ-12B**FF**M-QR8D11*	AZ-17B**FF**M-QR8D11*	ASZ-17B**FF**M-QR8D11*
	UL2517, PVC Jacket	AZ-10B**FF**M-QR8C11*	ASZ-10B**FF**M-QR8C11*	AZ-12B**FF**M-QR8C11*	AZ-12B**FF**M-QR8C11*	AZ-17B**FF**M-QR8C11*	ASZ-17B**FF**M-QR8C11*
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.0 ~ 8.0mm Packing Option: Connector With Contacts						
	Solder Type	AZ-10B**FF**G-QL8AP0*	ASZ-10B**FF**G-QL8AP0*	AZ-12B**FF**G-QL8AP0*	ASZ-12B**FF**G-QL8AP0*	AZ-17B**FF**G-QL8AP0*	ASZ-17B**FF**G-QL8AP0*

STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1)] | Connector / Contact Gender: **(F)** FF							
	End1: **(F)** FF | End2: **(F)** FF UL21388, PVC Jacket	AB-AZ10**FL**-AZ**FL**-QD10*	AB-ASZ10**FL**-ASZ**FL**-QD10*	AB-AZ12**FL**-AZ**FL**-QD10*	AB-ASZ12**FL**-ASZ**FL**-QD10*	AB-AZ17**FL**-AZ**FL**-QD10*	AB-ASZ17**FL**-ASZ**FL**-QD10*
	End1: **(F)** FF | End2: **(F)** FF UL2517, PVC Jacket	AB-AZ10**FL**-AZ**FL**-QC10*	AB-ASZ10**FL**-ASZ**FL**-QC10*	AB-AZ12**FL**-AZ**FL**-QC10*	AB-ASZ12**FL**-ASZ**FL**-QC10*	AB-AZ17**FL**-AZ**FL**-QC10	AB-ASZ17**FL**-ASZ**FL**-QC10*
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1)] | Connector / Contact Gender: **(F)** FF							
	End1: **(F)** FF | End2: **(F)** FF UL21388, PVC Jacket	AB-AZ10**FL**-AZ**FR**-QD10*	AB-ASZ10**FL**-ASZ**FR**-QD10*	AB-AZ12**FL**-AZ**FR**-QD10*	AB-ASZ12**FL**-ASZ**FR**-QD10*	AB-AZ17**FL**-AZ**FR**-QD10*	AB-ASZ17**FL**-ASZ**FR**-QD10*
	End1: **(F)** FF | End2: **(F)** FF UL2517, PVC Jacket	AB-AZ10**FL**-AZ**FR**-QC10*	AB-ASZ10**FL**-ASZ**FR**-QC10*	AB-AZ12**FL**-AZ**FR**-QC10*	AB-ASZ12**FL**-ASZ**FR**-QC10*	AB-AZ17**FL**-AZ**FR**-QC10*	AB-ASZ17**FL**-ASZ**FR**-QC10*
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1)] | Connector / Contact Gender: **(F)** FF							
	End1: **(F)** FF | End2: **(F)** FF UL21388, PVC Jacket	AB-AZ10**FR**-AZ**FR**-QD10*	AB-ASZ10**FR**-ASZ**FR**-QD10*	AB-AZ12**FR**-AZ**FR**-QD10*	AB-ASZ12**FR**-ASZ**FR**-QD10*	AB-AZ17**FR**-AZ**FR**-QD10*	AB-ASZ17**FR**-ASZ**FR**-QD10*
	End1: **(F)** FF | End2: **(F)** FF UL2517, PVC Jacket	AB-AZ10**FR**-AZ**FR**-QC10*	AB-ASZ10**FR**-ASZ**FR**-QC10*	AB-AZ12**FR**-AZ**FR**-QC10*	AB-ASZ12**FR**-ASZ**FR**-QC10*	AB-AZ17**FR**-AZ**FR**-QC10*	AB-ASZ17**FR**-ASZ**FR**-QC10*

***Upon Request**

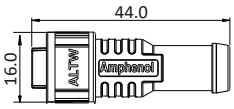
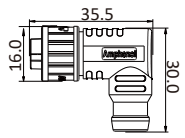
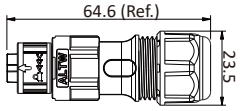
[1)] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

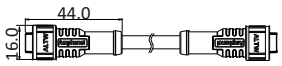
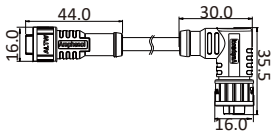
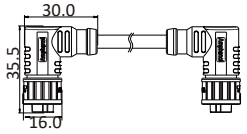
No of Contacts		18		24	
Rated Voltage (AC/DC)		50V		50V	
Nominal Current		0.5A		0.5A	
Plastic / Metal		Plastic	Metal	Plastic	Metal
Pin Assignment **FF** : Female Connector Female Contact		FF		FF	
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (10) 100mm ~ (50) 500mm[1)]					
	UL21388, PVC Jacket	AY-18B **FF** M-QL8D 11 *	ASY-18B **FF** M-QL8D 11 *	AY-24B **FF** M-QL8D 11 *	ASY-24B **FF** M-QL8D 11 *
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (10) 100mm ~ (50) 500mm[1)]					
	UL21388, PVC Jacket	AY-18B **FF** M-QR8D 11 *	ASY-18B **FF** M-QR8D 11 *	AY-24B **FF** M-QR8D 11 *	ASY-24B **FF** M-QR8D 11 *
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.0 ~ 8.0mm Packing Option: Connector With Contacts					
	Solder Type	AY-18B **FF** G-QL8AP0 *	ASY-18B **FF** G-QL8AP0 *	AY-24B **FF** G-QL8AP0 *	ASY-24B **FF** G-QL8AP0 *

STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF					
	End1: **(F)** FF | End2: **(F)** FF	AB-AY18 **F**L-AY **F**L-QD 10 *	AB-ASY18 **F**L-ASY **F**L-QD 10 *	AB-AY24 **F**L-AY **F**L-QD 10 *	AB-ASY24 **F**L-ASY **F**L-QD 10 *
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF					
	End1: **(F)** FF | End2: **(F)** FF	AB-AY18 **F**L-AY **F**R-QD 10 *	AB-ASY18 **F**L-ASY **F**R-QD 10 *	AB-AY24 **F**L-AY **F**R-QD 10 *	AB-ASY24 **F**L-ASY **F**R-QD 10 *
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF					
	End1: **(F)** FF | End2: **(F)** FF	AB-AY18 **F**R-AY**F**R-QD 10 *	AB-ASY18 **F**R-ASY **F**R-QD 10 *	AB-AY24 **F**R-AY**F**R-QD 10 *	AB-ASY24 **F**R-ASY **F**R-QD 10 *

Mini A Size

Mating Pair Page: **39**

No of Contacts	30		33	
Rated Voltage (AC/DC)	50V		50V	
Nominal Current	0.5A		0.5A	
Plastic / Metal	Plastic	Metal	Plastic	Metal
Pin Assignment **FF** : Female Connector Female Contact	FF		FF	
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (10) 100mm ~ (50) 500mm[1)]				
	UL21388, PVC Jacket	AY-30B **FF** M-QL8D 11 *	ASY-30B **FF** M-QL8D 11 *	AY-33B **FF** M-QL8D 11 *	ASY-33B **FF** M-QL8D 11 *
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (10) 100mm ~ (50) 500mm[1)]					
	UL21388, PVC Jacket	AY-30B **FF** M-QR8D 11 *	ASY-30B **FF** M-QR8D 11 *	AY-33B **FF** M-QR8D 11 *	ASY-33B **FF** M-QR8D 11 *
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.0 ~ 8.0mm Packing Option: Connector With Contacts					
	Solder Type	AY-30B **FF** **G**-QL8AP0 *	ASY-30B **FF** **G**-QL8AP0 *	AY-33B **FF** **G**-QL8AP0 *	ASY-33B **FF** **G**-QL8AP0 *

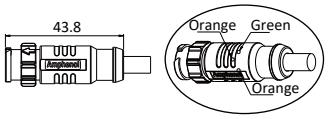
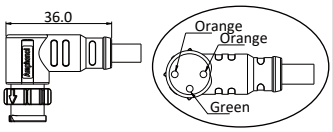
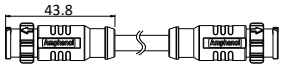
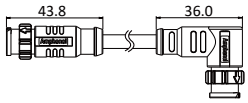
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF					
	End1: **(F)** FF | End2: **(F)** FF	AB-AY30 **F**L-AY **F**L-QD 10 *	AB-ASY30 **F**L-ASY **F**L-QD 10 *	AB-AY33 **F**L-AY **F**L-QD 10 *	AB-ASY33 **F**L-ASY **F**L-QD 10 *
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF					
	End1: **(F)** FF | End2: **(F)** FF	AB-AY30 **F**L-AY **F**R-QD 10 *	AB-ASY30 **F**L-ASY **F**R-QD 10 *	AB-AY33 **F**L-AY **F**R-QD 10 *	AB-ASY33 **F**L-ASY **F**R-QD 10 *
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF					
	End1: **(F)** FF | End2: **(F)** FF	AB-AY30 **F**R-AY **F**R-QD 10 *	AB-ASY30 **F**R-ASY **F**R-QD 10 *	AB-AY33 **F**R-AY **F**R-QD 10 *	AB-ASY33 **F**R-ASY **F**R-QD 10 *

***Upon Request**

[1)] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

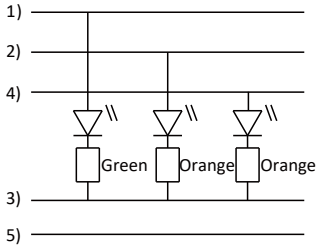
Mini A Size LED

Mating Pair Page: **54**

No of Contacts	3		4		5	
Rated Voltage (AC/DC)	30 ~ 300V		30 ~ 300V		30 ~ 300V	
Nominal Current	5A		5A		5A	
Plastic / Metal	Plastic		Plastic		Plastic	
Pin Assignment **MM**: Male Connector Male Contact **FF**: Female Connector Female Contact **MF**: Male Connector Female Contact **FM**: Female Connector Male Contact	MM	MF	MM	MF	MM	MF
					NEW	
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]						
	UL21388, PVC Jacket	LAD-03B**MM**M-QL8D 11 *	LAD-03B**MF**M-QL8D 11 *	LAD-04B**MM**M-QL8D 11 *	LAD-04B**MF**M-QL8D 11 *	LAD-05B**MM**M-QL8D 11	LAD-05B**MF**M-QL8D 11 *
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]						
	UL21388, PVC Jacket	LAD-03BM**MM**-QR8D 11 *	LAD-03B**MF**M-QR8D 11 *	LAD-04B**MM**M-QR8D 11 *	LAD-04B**MF**M-QR8D 11 *	LAD-05B**MM**M-QR8D 11	LAD-05B**MF**M-QR8D 11 *
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector/Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF						
	End1: **(H)** MF | End2: **(H)** MF	-	AB-LAD03**HL**-LAD**HL**-QD 10 *	-	AB-LAD04**HL**-LAD**HL**-QD 10 *	-	AB-LAD05**HL**-LAD**HL**-QD 10 *
	End1: **(M)** MM | End2: **(H)** MF	AB-LAD03**ML**-LAD**HL**-QD 10 *	-	AB-LAD04**ML**-LAD**HL**-QD 10 *	-	AB-LAD05**ML**-LAD**HL**-QD 10 *	-
	End1: **(M)** MM | End2: **(M)** MM	AB-LAD03**ML**-LAD**ML**-QD 10 *	-	AB-LAD04**ML**-LAD**ML**-QD 10 *	-	AB-LAD05**ML**-LAD**ML**-QD 10 *	-
	End1: **(H)** MF | End2: **(B)** FM	-	AB-LAD03**HL**-LAD**BL**-QD 10 *		AB-LAD04**HL**-LAD**BL**-QD 10 *	-	AB-LAD05**HL**-LAD**BL**-QD 10 *
	End1: **(M)** MM | End2: **(B)** FM	AB-LAD03**ML**-LAD**BL**-QD 10 *	-	AB-LAD04**ML**-LAD**BL**-QD 10 *	-	AB-LAD05**ML**-LAD**BL**-QD 10 *	-
	End1: **(M)** MM | End2: **(F)** FF	AB-LAD03**ML**-LAD**FL**-QD 10 *	-	AB-LAD04**ML**-LAD**FL**-QD 10 *	-	AB-LAD05**ML**-LAD**FL**-QD 10 *	-
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector/Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF						
	End1: **(H)** MF | End2: **(B)** FM	-	AB-LAD03**HL**-LAD**BR**-QD 10 *	-	AB-LAD04**HL**-LAD**BR**-QD 10 *	-	AB-LAD05**HL**-LAD**BR**-QD 10 *
	End1: **(M)** MM | End2: **(B)** FM	AB-LAD03**ML**-LAD**BR**-QD 10 *	-	AB-LAD04**ML**-LAD**BR**-QD 10 *	-	AB-LAD05**ML**-LAD**BR**-QD 10 *	-
	End1: **(M)** MM | End2: **(F)** FF	AB-LAD03**ML**-LAD**FR**-QD 10 *	-	AB-LAD04**ML**-LAD**FR**-QD 10 *	-	AB-LAD05**ML**-LAD**FR**-QD 10 *	-

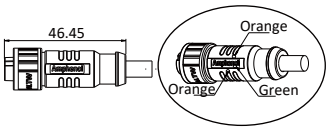
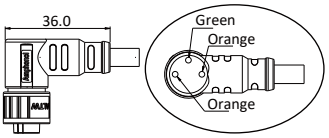
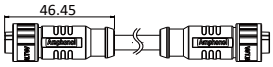
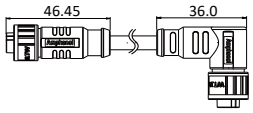
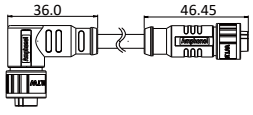
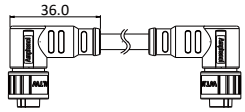
***Upon Request**

[1)] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths



Mini A Size LED

Mating Pair Page: **53**

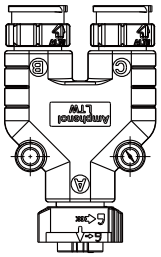
No of Contacts		3		4		5	
Rated Voltage (AC/DC)		30 ~ 300V		30 ~ 300V		30 ~ 300V	
Nominal Current		5A		5A		5A	
Plastic / Metal		Plastic		Plastic		Plastic	
Pin Assignment **MM**: Male Connector Male Contact **FF**: Female Connector Female Contact **MF**: Male Connector Female Contact **FM**: Female Connector Male Contact		FF	FM	FF	FM	FF	FM
						NEW	
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]							
	UL21388, PVC Jacket	LAD-03B**FF**M-QL8D 11 *	LAD-03B**FM**M-QL8D 11 *	LAD-04B**FF**M-QL8D 11 *	LAD-04B**FM**M-QL8D 11 *	LAD-05B**FF**M-QL8D 11	LAD-05B**FM**M-QL8D 11 *
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]							
	UL21388, PVC Jacket	LAD-03BM**FF**-QR8D 11 *	LAD-03B**FM**M-QL8D 11 *	LAD-04B**FF**M-QR8D 11 *	LAD-04B**FM**M-QR8D 11 *	LAD-05B**FF**M-QR8D 11	LAD-05B**FM**M-QR8D 11 *
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector/Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF							
	End1: **(F)** FF | End2: **(F)** FF	AB-LAD03**F**L-LAD**F**L-QD 10 *	-	AB-LAD04**F**L-LAD**F**L-QD 10 *	-	AB-LAD05**F**L-LAD**F**L-QD 10 *	-
	End1: **(F)** FF | End2: **(H)** MF	AB-LAD03**F**L-LAD**H**L-QD 10 *	-	AB-LAD04**F**L-LAD**H**L-QD 10 *	-	AB-LAD05**F**L-LAD**H**L-QD 10 *	-
	End1: **(F)** FF | End2: **(B)** FM	AB-LAD03**F**L-LAD**B**L-QD 10 *	-	AB-LAD04**F**L-LAD**B**L-QD 10 *	-	AB-LAD05**F**L-LAD**B**L-QD 10 *	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-LAD03**B**L-LAD**B**L-QD 10 *	-	AB-LAD04**B**L-LAD**B**L-QD 10 *	-	AB-LAD05**B**L-LAD**B**L-QD 10 *
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector/Contact Gender: **(F)** FF, **(B)** FM							
	End1: **(F)** FF | End2: **(F)** FF	AB-LAD03**F**L-LAD**FR**-QD 10 *	-	AB-LAD04**F**L-LAD**FR**-QD 10 *	-	AB-LAD05**F**L-LAD**FR**-QD 10 *	-
	End1: **(F)** FF | End2: **(B)** FM	AB-LAD03**F**L-LAD**BR**-QD 10 *	-	AB-LAD04**F**L-LAD**BR**-QD 10 *	-	AB-LAD05**F**L-LAD**BR**-QD 10 *	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-LAD03**B**L-LAD**BR**-QD 10 *	-	AB-LAD04**B**L-LAD**BR**-QD 10 *	-	AB-LAD05**B**L-LAD**BR**-QD 10 *
RIGHT ANGLE-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector/Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF							
	End1: **(F)** FF | End2: **(B)** FM	AB-LAD03**FR**-LAD**B**L-QD 10 *	-	AB-LAD04**FR**-LAD**B**L-QD 10 *	-	AB-LAD05**FR**-LAD**B**L-QD 10 *	-
	End1: **(F)** FF | End2: **(H)** MF	AB-LAD03**FR**-LAD**H**L-QD 10 *	-	AB-LAD04**FR**-LAD**H**L-QD 10 *	-	AB-LAD05**FR**-LAD**H**L-QD 10 *	-
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector/Contact Gender: **(F)** FF, **(B)** FM							
	End1: **(F)** FF | End2: **(F)** FF	AB-LAD03**FR**-LAD**FR**-QD 10 *	-	AB-LAD04**FR**-LAD**FR**-QD 10 *	-	AB-LAD05**FR**-LAD**FR**-QD 10 *	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-LAD03**BR**-LAD**BR**-QD 10 *	-	AB-LAD04**BR**-LAD**BR**-QD 10 *	-	AB-LAD05**BR**-LAD**BR**-QD 10 *
	End1: **(F)** FF | End2: **(B)** FM	AB-LAD03**FR**-LAD**BR**-QD 10 *	-	AB-LAD04**FR**-LAD**BR**-QD 10 *	-	AB-LAD05**FR**-LAD**BR**-QD 10 *	-

***Upon Request**

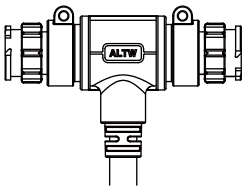
[1)] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

Customization - Upon Request

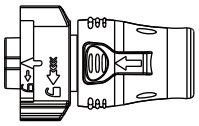
I Adaptor



Y Adaptor

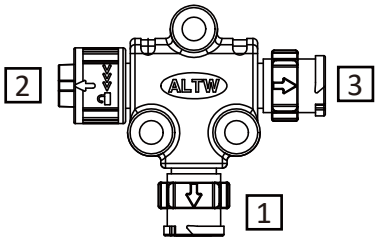


T Cable



Terminator

T Adaptor

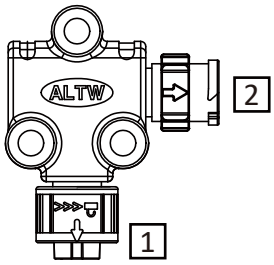


1 Current Rating:
(AZ) 1.5A* **(ASZ)** 1.5A, Metal Shielded*
(AU) 2A* **(ASU)** 2A, Metal Shielded*
(AD) 5A **(ASD)** 5A, Metal Shielded*
(AG) 16A* **(KAG)** 16A, Metal Non-shielded*
5 For Connector 1
6 For Connector 2
7 For Connector 3
Choose Connector / Contacts Gender:
(M): Male + Male
(F): Female + Female
(H): Male + Female
(B): Female + Male

*Upon Request

Nominal Current	No. of Contacts 2	Mating Style	Part Number	More Options
5A (AD)	02, 03, 04, 05	Push Lock	AB-AD-222-FFM-TQ001*	AB-1-2225-67-TQ001*
			AB-AD-222-MFM-TQ001*	
			AB-AD-222-FMF-TQ001*	
			AB-AD-222-MMM-TQ001*	
			AB-AD-222-MFF-TQ001*	

L Adaptor

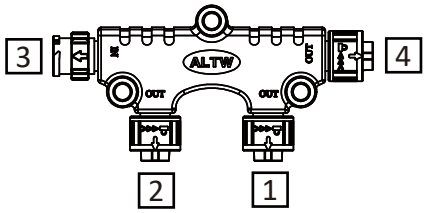


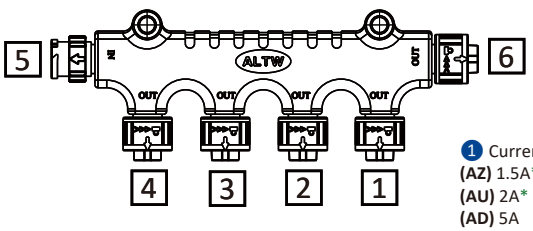
1 Current Rating:
(AZ) 1.5A* **(ASZ)** 1.5A, Metal Shielded*
(AU) 2A* **(ASU)** 2A, Metal Shielded*
(AD) 5A **(ASD)** 5A, Metal Shielded*
(AG) 16A* **(KAG)** 16A, Metal Non-shielded*
4 For Connector 1
5 For Connector 2
Choose Connector / Contacts Gender:
(M): Male + Male
(F): Female + Female
(H): Male + Female
(B): Female + Male

*Upon Request

Nominal Current	No. of Contacts 2	Mating Style	Part Number	More Options
5A (AD)	02, 03, 04, 05	Push Lock	AB-AD-00220-0FM-LQ001*	AB-1-00220-045-LQ001*

Multi-Ports Adaptor





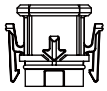
1 Current Rating:
(AZ) 1.5A* **(ASZ)** 1.5A, Metal Shielded*
(AU) 2A* **(ASU)** 2A, Metal Shielded*
(AD) 5A **(ASD)** 5A, Metal Shielded*
(AG) 16A* **(KAG)** 16A, Metal Non-shielded*

*Upon Request

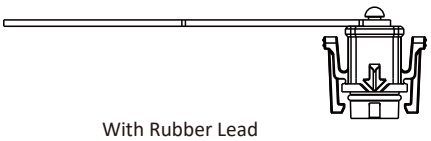
Nominal Current	No. of Contacts 2	Mating Style	2 Way Tee Part Number	4 Way Tee Part Number
5A (AD)	2, 3, 4, 5	Push Lock	AB-AD-22220-FFMF00-Q001*	AB-AD-222222-FFFFMF-Q001*
2A (AU)	2, 3, 4, 5, 6	Push Lock	AB-AU-22220-MMFM00-Q001*	AB-AU-222222-FFFFMF-Q001*
		More Options	AB-1-22220-FFMF00-Q001*	AB-1-222222-FFFFMF-Q001*
			AB-1-22220-MMFM00-Q001*	

Waterproof Cap

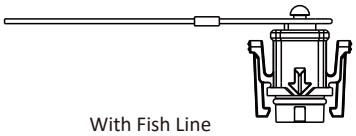
For Mating With Male



None

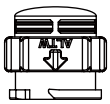


With Rubber Lead

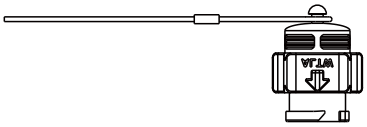


With Fish Line

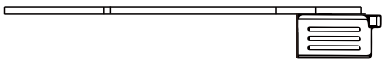
For Mating With Female



None



With Fish Line

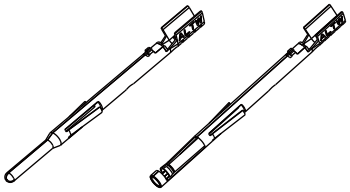


With Rubber Lead

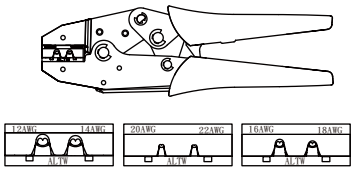
More to choose: 3 None (MA) / With Rubber Lead (PC) / 4 None (MA) / With Fish Line (CD) / 5 None (A) / With Fish Line (D)

Size	Type	Mating Part	Gender of Mating Part	Mating Style	Part Number
A Size	For Data	Receptacle	Male	Push Lock	CAP-WAAMQ3 1
					CAP-WAAMQPC2
		Overmolded with Cable	Female		CAP-WAAFQ4 1
		Receptacle	Male		CAP-WAAMQM5 1
	For Power (16A)	Receptacle	Male		CAP-WAAMQMA2
		Overmolded with Cable			
		Receptacle	Female		CAP-WAAFQCA2

Contacts & Crimp Tool



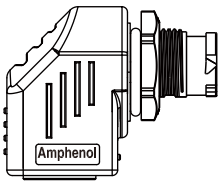
5A



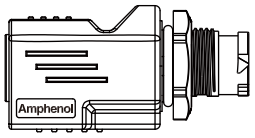
Crimp Tool

Nominal Current	Contact Gender	Part Number	Packages 6	Crimp Tool
5A	Male	ASSP-05-M-A-C-6*	**(SA)** 50pcs / Box **(SB)** 100pcs / Box **(RE)** 5A 3,000pcs / Reel	P/N: ASST-C-05-W-A (22 ~ 20AWG | 0.34 ~ 0.50mm^2)
	Female	ASSP-05-F-A-C-6*		

X-Lok To RJ45 Adaptor*



Right Angle



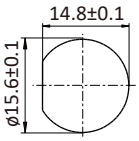
Straight

*Upon Request

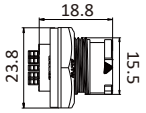
Nominal Current	No. of Contacts	Transmission Speed	Gender	Straight / Right Angle	Part Number
2A (AU)	08	Cat. 5e	Male	Straight	RJ-AU08FM-LQ8001*
				Right Angle	RJ-AU08FM-RQ8001*
2A (ASU)	08	Cat. 5e	Male	Straight	RJS-ASU08FM-LQ8001*
				Right Angle	RJS-ASU08FM-RQ8001*
1.5A (ASZ)	12	Cat. 6A	Male	Straight	RJS-ASZ12FM-LQ8001*
				Right Angle	RJS-ASZ12FM-RQ8001*

Standard B Size

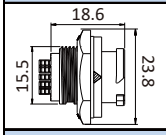
Mating Pair Page: **68~70**

No of Contacts	Panel Cut Out	2			
Rated Voltage (AC/DC)		30 ~ 300V			
Nominal Current		5A		10A	
Plastic / Metal		Plastic		Plastic	
Pin Assignment		MM	MF	MM	MF
MM : Male Connector Male Contact **FF**: Female Connector Female Contact **MF** : Male Connector Female Contact **FM** : Female Connector Male Contact	 Circular Flange (D Cut) (Unit: mm)				

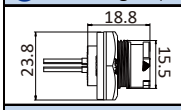
Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated)
Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	Solder Type (For Data Group)	BD-02P**MM**S-QC8001	BD-02P**MF**S-QC8001	BB-02P**MM**S-QC8001	BB-02P**MF**S-QC8001
	Solder Type (For Power Group)	-	-	BB-02P**MM**S-QC800P	BB-02P**MF**S-QC800P
	180° PCB Type (For Data Group)	BD-02P**MM**P-QC8001 *	BD-02P**MF**P-QC8001 *	BB-02P**MM**P-QC8001 *	BB-02P**MF**P-QC8001 *

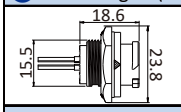
Receptacle, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated)
Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	Solder Type (For Data Group)	BD-02R**MM**S-QC8001	BD-02R**MF**S-QC8001	BB-02R**MM**S-QC8001	BB-02R**MF**S-QC8001
	Solder Type (For Power Group)	-	-	BB-02R**MM**S-QC800P	BB-02R**MF**S-QC800P

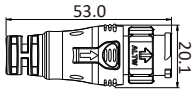
Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated)
11 Wire Length: (10) 100mm ~ (50) 500mm[1] | Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	UL1430, XL-PVC Jacket	BD-02P**MM**S-QC8A 11 *	BD-02P**MF**S-QC8A 11 *	BB-02P**MM**S-QC8A 11 *	BB-02P**MF**S-QC8A 11 *

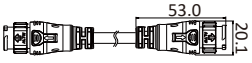
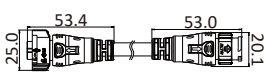
Receptacle With Wires, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated)
11 Wire Length: (10) 100mm ~ (50) 500mm[1] | Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	UL1430, XL-PVC Jacket	BD-02R**MM**S-QC8A 11 *	BD-02R**MF**S-QC8A 11 *	BB-02R**MM**S-QC8A 11 *	BB-02R**MF**S-QC8A 11 *

STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)
11 Cable Length: (01) 1M ~ (99) 99M[1]

	UL21388, PVC Jacket (For Data Group)	BD-02A**MM**M-QL8D 11	BD-02A**MF**M-QL8D 11	BB-02A**MM**M-QL8D 11	BB-02A**MF**M-QL8D 11
	UL SJTW, PVC Jacket (For Power Group)	BD-02A**MM**M-QL8E 11 *	BD-02A**MF**M-QL8E 11 *	BB-02A**MM**M-QL8E 11	BB-02A**MF**M-QL8E 11
	SOOW/H07RN-F, CPE Jacket (For Power Group)	-	-	BB-02A**MM**M-QL8K 11 *	BB-02A**MF**M-QL8K 11 *
	UL21409, XL-PE Jacket (LSZH, For Power Group)	-	-	BB-02A**MM**M-QL8L 11 *	BB-02A**MF**M-QL8L 11 *

STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated)
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF

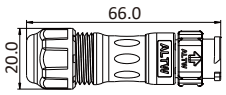
	UL21388, PVC Jacket (For Data Group)	End1: **(M)** MM | End2: **(M)** MM	AB-BD02**M**L-BD**M**L-QD 10	-	AB-BB02**M**L-BB**M**L-QD 10	-
		End1: **(M)** MM | End2: **(H)** MF	AB-BD02**M**L-BD**H**L-QD 10	-	AB-BB02**M**L-BB**H**L-QD 10	-
		End1: **(H)** MF | End2: **(H)** MF	-	AB-BD02**H**L-BD**H**L-QD 10	-	AB-BB02**H**L-BB**H**L-QD 10
	UL SJTW, PVC Jacket (For Power Group)	End1: **(M)** MM | End2: **(M)** MM	AB-BD02**M**L-BD**M**L-QE 10 *	-	AB-BB02**M**L-BB**M**L-QE 10	-
		End1: **(M)** MM | End2: **(H)** MF	AB-BD02**M**L-BD**H**L-QE 10 *	-	AB-BB02**M** BB**H**L-QE 10	-
		End1: **(H)** MF | End2: **(H)** MF	-	AB-BD02**H**L-BD**H**L-QE 10 *	-	AB-BB02**H**L-BB**H**L-QE 10
	UL21388, PVC Jacket (For Data Group)	End1: **(M)** MM | End2: **(F)** FF	AB-BD02**M**L-BD**F**L-QD 10	-	AB-BB02**M**L-BB**F**L-QD 10	-
		End1: **(M)** MM | End2: **(B)** FM	AB-BD02**M**L-BD**B**L-QD 10	-	AB-BB02**M**L-BB**B**L-QD 10	-
		End1: **(H)** MF | End2: **(B)** FM	-	AB-BD02**H**L-BD**B**L-QD 10	-	AB-BB02**H**L-BB**B**L-QD 10
	UL SJTW, PVC Jacket (For Power Group)	End1: **(M)** MM | End2: **(F)** FF	AB-BD02**M**L-BD**F**L-QE 10 *	-	AB-BB02**M**L-BB**F**L-QE 10	-
		End1: **(M)** MM | End2: **(B)** FM	AB-BD02**M**L-BD**B**L-QE 10 *	-	AB-BB02**M**L-BB**B**L-QE 10	-
		End1: **(H)** MF | End2: **(B)** FM	-	AB-BD02**H**L-BD**B**L-QE 10 *	-	AB-BB02**H**L-BB**B**L-QE 10

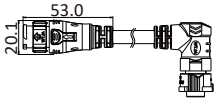
***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

Standard B Size

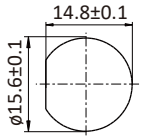
Mating Pair Page: **68~70**

No of Contacts			2			
Rated Voltage (AC/DC)			30 ~ 300V			
Nominal Current			5A		10A	
Plastic / Metal			Plastic		Plastic	
Pin Assignment **MM** : Male Connector Male Contact **FF**: Female Connector Female Contact **MF**: Male Connector Female Contact **FM**: Female Connector Male Contact			MM	MF	MM	MF
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 5.0 ~ 6.0mm, (Yellow Seal) 6.0 ~ 8.0mm, (Blue Seal) 8.0~10.0mm						
	Solder Type, For Data Group, Connector With Contacts	All Seals	BD-02B **MM**G-QL8AP0 *	BD-02B **MF**G-QL8AP0 *	-	-
		5.0 ~ 6.0mm Red Seal	BD-02B **MM**G-QL8SP0 *	BD-02B **MF**G-QL8SP0 *	-	-
		6.0 ~ 8.0mm Yellow Seal	BD-02B **MM**G-QL8MP0 *	BD-02B **MF**G-QL8MP0 *	-	-
		8.0 ~ 10.0mm Blue Seal	BD-02B **MM**G-QL8LP0 *	BD-02B **MF**G-QL8LP0 *	-	-
	Solder Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-02B **MM**G-QL8APP *	BB-02B **MF**G-QL8APP *
		5.0 ~ 6.0mm Red Seal	-	-	BB-02B **MM**G-QL8SPP *	BB-02B **MF**G-QL8SPP *
		6.0 ~ 8.0mm Yellow Seal	-	-	BB-02B **MM**G-QL8MPP *	BB-02B **MF**G-QL8MPP *
		8.0 ~ 10.0mm Blue Seal	-	-	BB-02B **MM**G-QL8LPP *	BB-02B **MF**G-QL8LPP *
	Screw-in Type, For Data Group, Connector With Contacts	All Seals	BD-02B **MM**B-QL8AP0 *	BD-02B **MF**B-QL8AP0 *	-	-
		5.0 ~ 6.0mm Red Seal	BD-02B **MM**B-QL8SP0 *	BD-02B **MF**B-QL8SP0 *	-	-
		6.0 ~ 8.0mm Yellow Seal	BD-02B **MM**B-QL8MP0 *	BD-02B **MF**B-QL8MP0 *	-	-
		8.0~ 10.0mm Blue Seal	BD-02B **MM**B-QL8LP0 *	BD-02B **MF**B-QL8LP0 *	-	-
	Screw-in Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-02B **MM**B-QL8APP *	BB-02B **MF**B-QL8APP *
		5.0 ~ 6.0mm Red Seal	-	-	BB-02B **MM**B-QL8SPP *	BB-02B **MF**B-QL8SPP *
		6.0 ~ 8.0mm Yellow Seal	-	-	BB-02B **MM**B-QL8MPP *	BB-02B **MF**B-QL8MPP *
		8.0 ~ 10.0mm Blue Seal	-	-	BB-02B **MM**B-QL8LPP *	BB-02B **MF**B-QL8LPP *
	Push-in Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-02B **MM**E-QL8APP *	BB-02B **MF**E-QL8APP *
		5.0 ~ 6.0mm Red Seal	-	-	BB-02B **MM**E-QL8SPP *	BB-02B **MF**E-QL8SPP *
		6.0 ~ 8.0mm Yellow Seal	-	-	BB-02B **MM**E-QL8MPP *	BB-02B **MF**E-QL8MPP *
		8.0 ~ 10.0mm Blue Seal	-	-	BB-02B **MM**E-QL8LPP *	BB-02B **MF**E-QL8LPP *
	Crimp Type, For Data Group, Connector With Contacts	All Seals	BD-02B **MM**A-QL8AP0	BD-02B **MF**A-QL8AP0	-	-
		5.0 ~ 6.0mm Red Seal	BD-02B **MM**A-QL8SP0	BD-02B **MF**A-QL8SP0	-	-
		6.0 ~ 8.0mm Yellow Seal	BD-02B **MM**A-QL8MP0	BD-02B **MF**A-QL8MP0	-	-
		8.0 ~ 10.0mm Blue Seal	BD-02B **MM**A-QL8LP0	BD-02B **MF**A-QL8LP0	-	-
	Crimp Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-02B **MM**A-QL8APP *	BB-02B **MF**A-QL8APP *
		5.0 ~ 6.0mm Red Seal	-	-	BB-02B **MM**A-QL8SPP *	BB-02B **MF**A-QL8SPP *
		6.0 ~ 8.0mm Yellow Seal	-	-	BB-02B **MM**A-QL8MPP *	BB-02B **MF**A-QL8MPP *
		8.0 ~ 10.0mm Blue Seal	-	-	BB-02B **MM**A-QL8LPP *	BB-02B **MF**A-QL8LPP *

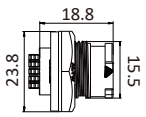
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF						
	UL21388, PVC Jacket (For Data Group)	End1: **(M)** MM | End2: **(F)** FF	AB-BD02**M**L-BD**F**R-QD 10	-	AB-BB02**M**L-BB**F**R-QD 10	-
		End1: **(M)** MM | End2: **(B)** FM	AB-BD02**M**L-BD**B**R-QD 10	-	AB-BB02**M**L-BB**B**R-QD 10	-
		End1: **(H)** MF | End2: **(B)** FM	-	AB-BD02**H**L-BD**B**R-QD 10	-	AB-BB02**H**L-BB**B**R-QD 10
	UL SJTW, PVC Jacket (For Power Group)	End1: **(M)** MM | End2: **(F)** FF	AB-BD02**M**L-BD**F**R-QE 10 *	-	AB-BB02**M**L-BB**F**R-QE 10	-
		End1: **(M)** MM | End2: **(B)** FM	AB-BD02**M**L-BD**B**R-QE 10 *	-	AB-BB02**M**L-BB**B**R-QE 10	-
		End1: **(H)** MF | End2: **(B)** FM	-	AB-BD02**H**L-BD**B**R-QE 10 *	-	AB-BB02**H**L-BB**B**R-QE 10

Standard B Size

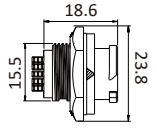
Mating Pair Page: **71~73, 80**

No of Contacts	**Panel Cut Out**	3				3 (2+1)	
Rated Voltage (AC/DC)		30 ~ 300V				30 ~ 300V	
Nominal Current		5A		10A		10A+5A	
Plastic / Metal		Plastic		Plastic		Plastic	
Pin Assignment		MM	MF	MM	MF	MM	MF
MM : Male Connector Male Contact **FF** : Female Connector Female Contact **MF** : Male Connector Female Contact **FM** : Female Connector Male Contact	 Circular Flange (D Cut) (Unit: mm)						

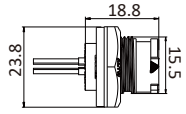
Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated)
Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	Solder Type (For Data Group)	BD-03P**MM**S-QC8001	BD-03P**MF**S-QC8001	BB-03P**MM**S-QC8001	BB-03P**MF**S-QC8001	BBD-03P**MM**S-QC8001*	BBD-03P**MF**S-QC8001*
	Solder Type (For Power Group)	BD-03P**MM**S-QC800P	BD-03P**MF**S-QC800P	BB-03P**MM**S-QC800P	BB-03P**MF**S-QC800P	-	-
	180° PCB Type (For Data Group)	BD-03P**MM**P-QC8001*	BD-03P**MF**P-QC8001*	BB-03P**MM**P-QC8001*	BB-03P**MF**P-QC8001*	BBD-03P**MM**P-QC8001*	BBD-03P**MF**P-QC8001*

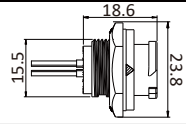
Receptacle, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated)
Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	Solder Type (For Data Group)	BD-03R**MM**S-QC8001	BD-03R**MF**S-QC8001	BB-03R**MM**S-QC8001	BB-03R**MF**S-QC8001	BBD-03R**MM**S-QC8001*	BBD-03R**MF**S-QC8001*
	Solder Type (For Power Group)	BD-03R**MM**S-QC800P	BD-03R**MF**S-QC800P	BB-03R**MM**S-QC800P	BB-03R**MF**S-QC800P	-	-

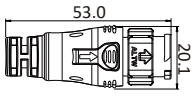
Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated)
11 Wire Length: (10) 100mm ~ (50) 500mm[1)] | Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	UL1430, XL-PVC Jacket	BD-03P**MM**S-QC8A11*	BD-03P**MF**S-QC8A11*	BB-03P**MM**S-QC8A11*	BB-03P**MF**S-QC8A11*	BBD-03P**MM**S-QC8A11*	BBD-03P**MF**S-QC8A11*

Receptacle With Wires, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated)
11 Wire Length: (10) 100mm ~ (50) 500mm[1)] | Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

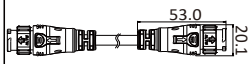
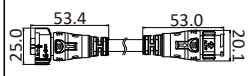
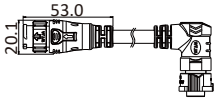
	UL1430, XL-PVC Jacket	BD-03R**MM**S-QC8A11*	BD-03R**MF**S-QC8A11*	BB-03R**MM**S-QC8A11*	BB-03R**MF**S-QC8A11*	BBD-03R**MM**S-QC8A11*	BBD-03R**MF**S-QC8A11*

STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)
11 Cable Length: (01) 1M ~ (99) 99M[1)]

	UL21388, PVC Jacket (For Data Group)	BD-03A**MM**M-QL8D11	BD-03A**MF**M-QL8D11	BB-03A**MM**M-QL8D11	BB-03A**MF**M-QL8D11	-	-
	UL SJTW, PVC Jacket (For Power Group)	BD-03A**MM**M-QL8E11	BD-03A**MF**M-QL8E11	BB-03A**MM**M-QL8E11	BB-03A**MF**M-QL8E11	-	-
	UL21996, PVC Jacket (For Hybrid Group)	-	-	-	-	BBD-03A**MM**M-QL8F11*	BBD-03A**MF**M-QL8F11*
	SOOW/H07RN-F, CPE Jacket (For Power Group)	-	-	BB-03A**MM**M-QL8K11*	BB-03A**MF**M-QL8K11*	-	-
	UL21409, XL-PE Jacket (LSZH, For Power Group)	-	-	BB-03A**MM**M-QL8L11	BB-03A**MF**M-QL8L11	-	-

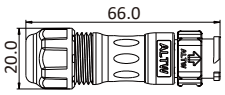
Standard B Size

Mating Pair Page: **71~73, 80**

No of Contacts			3			
Rated Voltage (AC/DC)			30 ~ 300V			
Nominal Current			5A		10A	
Plastic / Metal			Plastic		Plastic	
Pin Assignment **MM** : Male Connector Male Contact **FF** : Female Connector Female Contact **MF** : Male Connector Female Contact **FM** : Female Connector Male Contact						
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF						
	UL21388, PVC Jacket (For Data Group)	End1: **(M)** MM | End2: **(M)** MM	AB-BD03**M**L-BD**M**L-QD 10		AB-BB03**M**L-BB**M**L-QD 10	
		End1: **(M)** MM | End2: **(H)** MF	AB-BD03**M**L-BD**H**L-QD 10		AB-BB03**M**L-BB**H**L-QD 10	
		End1: **(H)** MF | End2: **(H)** MF	-	AB-BD03**H**L-BD**H**L-QD 10	-	AB-BB03**H**L-BB**H**L-QD 10
	UL SJTW, PVC Jacket (For Power Group)	End1: **(M)** MM | End2: **(M)** MM	AB-BD03**M**L-BD**M**L-QE 10	-	AB-BB03**M**L-BB**M**L-QE 10	-
		End1: **(M)** MM | End2: **(H)** MF	AB-BD03**M**L-BD**H**L-QE 10	-	AB-BB03**M**L-BB**H**L-QE 10	-
		End1: **(H)** MF | End2: **(H)** MF	-	AB-BD03**H**L-BD**H**L-QE 10	-	AB-BB03**H**L-BB**H**L-QE 10
	UL21388, PVC Jacket (For Data Group)	End1: **(M)** MM | End2: **(F)** FF	AB-BD03**M**L-BD**F**L-QD 10	-	AB-BB03**M**L-BB**F**L-QD 10	-
		End1: **(M)** MM | End2: **(B)** FM	AB-BD03**M**L-BD**B**L-QD 10	-	AB-BB03**M**L-BB**B**L-QD 10	-
		End1: **(H)** MF | End2: **(B)** FM	-	AB-BD03**H**L-BD**B**L-QD 10	-	AB-BB03**H**L-BB**B**L-QD 10
	UL SJTW, PVC Jacket (For Power Group)	End1: **(M)** MM | End2: **(F)** FF	AB-BD03**M**L-BD**F**L-QE 10	-	AB-BB03**M**L-BB**F**L-QE 10	-
		End1: **(M)** MM | End2: **(B)** FM	AB-BD03**M**L-BD**B**L-QE 10	-	AB-BB03**M**L-BB**B**L-QE 10	-
		End1: **(H)** MF | End2: **(B)** FM	-	AB-BD03**H**L-BD**B**L-QE 10	-	AB-BB03**H**L-BB**B**L-QE 10
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF						
	UL21388, PVC Jacket (For Data Group)	End1: **(M)** MM | End2: **(F)** FF	AB-BD03**M**L-BD**F**R-QD 10	-	AB-BB03**M**L-BB**F**R-QD 10	-
		End1: **(M)** MM | End2: **(B)** FM	AB-BD03**M**L-BD**B**R-QD 10	-	AB-BB03**M**L-BB**B**R-QD 10	-
		End1: **(H)** MF | End2: **(B)** FM	-	AB-BD03**H**L-BD**B**R-QD 10	-	AB-BB03**H**L-BB**B**R-QD 10
	UL SJTW, PVC Jacket (For Power Group)	End1: **(M)** MM | End2: **(F)** FF	AB-BD03**M**L-BD**F**R-QE 10	-	AB-BB03**M**L-BB**F**R-QE 10	-
		End1: **(M)** MM | End2: **(B)** FM	AB-BD03**M**L-BD**B**R-QE 10	-	AB-BB03**M**L-BB**B**R-QE 10	-
		End1: **(H)** MF | End2: **(B)** FM	-	AB-BD03**H**L-BD**B**R-QE 10	-	AB-BB03**H**L-BB**B**R-QE 10

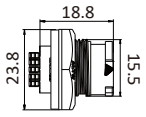
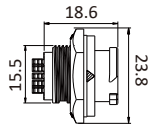
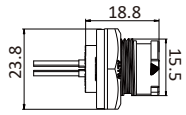
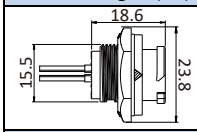
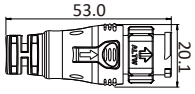
***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts			3			
Rated Voltage (AC/DC)			30 ~ 300V			
Nominal Current			5A		10A	
Plastic / Metal			Plastic		Plastic	
Pin Assignment **MM** : Male Connector Male Contact **MF** : Male Connector Female Contact			MM	MF	MM	MF
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 5.0 ~ 6.0mm, (Yellow Seal) 6.0 ~ 8.0mm, (Blue Seal) 8.0 ~ 10.0mm						
	Solder Type, For Data Group, Connector With Contacts	All Seals	BD-03B**MM**G-QL8AP0 *	BD-03B**MF**G-QL8AP0 *	-	-
		5.0 ~ 6.0mm Red Seal	BD-03B**MM**G-QL8SP0 *	BD-03B**MF**G-QL8SP0 *	-	-
		6.0 ~ 8.0mm Yellow Seal	BD-03B**MM**G-QL8MP0 *	BD-03B**MF**G-QL8MP0 *	-	-
		8.0 ~ 10.0mm Blue Seal	BD-03B**MM**G-QL8LP0 *	BD-03B**MF**G-QL8LP0 *	-	-
	Solder Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-03B**MM**G-QL8APP *	BB-03B**MF**G-QL8APP *
		5.0 ~ 6.0mm Red Seal	-	-	BB-03B**MM**G-QL8SPP *	BB-03B**MF**G-QL8SPP *
		6.0 ~ 8.0mm Yellow Seal	-	-	BB-03B**MM**G-QL8MPP *	BB-03B**MF**G-QL8MPP *
		8.0 ~ 10.0mm Blue Seal	-	-	BB-03B**MM**G-QL8LPP *	BB-03B**MF**G-QL8LPP *
	Screw-in Type, For Data Group, Connector With Contacts	All Seals	BD-03B**MM**B-QL8AP0 *	BD-03B**MF**B-QL8AP0 *	-	-
		5.0 ~ 6.0mm Red Seal	BD-03B**MM**B-QL8SP0 *	BD-03B**MF**B-QL8SP0 *	-	-
		6.0 ~ 8.0mm Yellow Seal	BD-03B**MM**B-QL8MP0 *	BD-03B**MF**B-QL8MP0 *	-	-
		8.0 ~ 10.0mm Blue Seal	BD-03B**MM**B-QL8LP0 *	BD-03B**MF**B-QL8LP0 *	-	-
	Screw-in Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-03B**MM**B-QL8APP *	BB-03B**MF**B-QL8APP *
		5.0 ~ 6.0mm Red Seal	-	-	BB-03B**MM**B-QL8SPP *	BB-03B**MF**B-QL8SPP *
		6.0 ~ 8.0mm Yellow Seal	-	-	BB-03B**MM**B-QL8MPP *	BB-03B**MF**B-QL8MPP *
		8.0 ~ 10.0mm Blue Seal	-	-	BB-03B**MM**B-QL8LPP *	BB-03B**MF**B-QL8LPP *
	Push-in Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-03B**MM**E-QL8APP *	BB-03B**MF**E-QL8APP *
		5.0 ~ 6.0mm Red Seal	-	-	BB-03B**MM**E-QL8SPP *	BB-03B**MF**E-QL8SPP *
		6.0 ~ 8.0mm Yellow Seal	-	-	BB-03B**MM**E-QL8MPP *	BB-03B**MF**E-QL8MPP *
		8.0 ~ 10.0mm Blue Seal	-	-	BB-03B**MM**E-QL8LPP *	BB-03B**MF**E-QL8LPP *
	Crimp Type, For Data Group, Connector With Contacts	All Seals	BD-03B**MM**A-QL8AP0	BD-03B**MF**A-QL8AP0	-	-
		5.0 ~ 6.0mm Red Seal	BD-03B**MM**A-QL8SP0	BD-03B**MF**A-QL8SP0	-	-
		6.0 ~ 8.0mm Yellow Seal	BD-03B**MM**A-QL8MP0	BD-03B**MF**A-QL8MP0	-	-
		8.0 ~ 10.0mm Blue Seal	BD-03B**MM**A-QL8LP0	BD-03B**MF**A-QL8LP0	-	-
	Crimp Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-03B**MM**A-QL8APP *	BB-03B**MF**A-QL8APP *
		5.0 ~ 6.0mm Red Seal	-	-	BB-03B**MM**A-QL8SPP *	BB-03B**MF**A-QL8SPP *
		6.0 ~ 8.0mm Yellow Seal	-	-	BB-03B**MM**A-QL8MPP *	BB-03B**MF**A-QL8MPP *
		8.0 ~ 10.0mm Blue Seal	-	-	BB-03B**MM**A-QL8LPP *	BB-03B**MF**A-QL8LPP *

Standard B Size

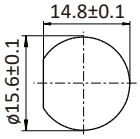
Mating Pair Page: **74~76, 80**

No of Contacts		4				4 (2+2)	
Rated Voltage (AC/DC)		30 ~ 300V				30 ~ 300V	
Nominal Current		5A		10A		10A+5A	
Plastic / Metal		Plastic		Plastic		Plastic	
Pin Assignment **MM** : Male Connector Male Contact **FF** : Female Connector Female Contact **MF** : Male Connector Female Contact **FM** : Female Connector Male Contact		MM	MF	MM	MF	MM	MF
Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm							
	Solder Type (For Data Group)	BD-04P**MM** S-QC8001	BD-04P**MF** S-QC8001	BB-04P**MM** S-QC8001	BB-04P**MF** S-QC8001*	BBD-04P**MM** S-QC8001*	BBD-04P**MF** S-QC8001*
	Solder Type (For Power Group)	-	-	BB-04P**MM** S-QC800P	-	-	-
	180° PCB Type (For Data Group)	BD-04P**MM** P-QC8001*	BD-04P**MF** P-QC8001*	BB-04P**MM** P-QC8001*	BB-04P**MF** P-QC8001*	BBD-04P**MM** P-QC8001*	BBD-04P**MF** P-QC8001*
Receptacle, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm							
	Solder Type (For Data Group)	BD-04R**MM** S-QC8001	BD-04R**MF** S-QC8001	BB-04R**MM** S-QC8001	BB-04R**MF** S-QC8001*	BBD-04R**MM** S-QC8001*	BBD-04R**MF** S-QC8001*
	Solder Type (For Power Group)	-	-	BB-04R**MM** S-QC800P	-	-	-
Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm[1] | Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm							
	UL1430, XL-PVC Jacket	BD-04P**MM** S-QC8A11*	BD-04P**MF** S-QC8A11*	BB-04P**MM** S-QC8A11*	BB-04P**MF** S-QC8A11*	BBD-04P**MM** S-QC8A11*	BBD-04P**MF** S-QC8A11*
Receptacle With Wires, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm[1] | Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm							
	UL1430, XL-PVC Jacket	BD-04R**MM** S-QC8A11*	BD-04R**MF** S-QC8A11*	BB-04R**MM** S-QC8A11*	BB-04R**MF** S-QC8A11*	BBD-04R**MM** S-QC8A11*	BBD-04R**MF** S-QC8A11*
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M[1]							
	UL21388, PVC Jacket (For Data Group)	BD-04A**MM** M-QL8D11	BD-04A**MF** M-QL8D11	BB-04A**MM** M-QL8D11	BB-04A**MF** M-QL8D11*	-	-
	UL SJTW, PVC Jacket (For Power Group)	-	-	BB-04A**MM** M-QL8E11	-	-	-
	UL21996, PVC Jacket For Hybrid Group)	-	-	-	-	BBD-04A**MM** M-QL8F11*	BBD-04A**MF** M-QL8F11*
	SOOW/H07RN-F, CPE Jacket (For Power Group)	-	-	BB-04A**MM** M-QL8K11*	-	-	-
	UL21409, XL-PE Jacket (LSZH, For Power Group)	-	-	BB-04A**MM** M-QL8L11*	-	-	-

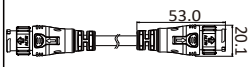
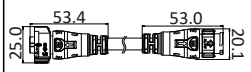
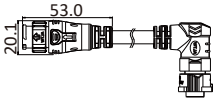
***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

Panel Cut Out

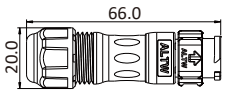


Circular Flange (D Cut) (Unit: mm)

No of Contacts			4			
Rated Voltage (AC/DC)			30 ~ 300V			
Nominal Current			5A		10A	
Plastic / Metal			Plastic		Plastic	
Pin Assignment **MM** : Male Connector Male Contact **FF** : Female Connector Female Contact **MF** : Male Connector Female Contact **FM** : Female Connector Male Contact						
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF						
	UL21388, PVC Jacket (For Data Group)	End1: **(M)** MM | End2: **(M)** MM	AB-BD04**M**L-BD**M**L-QD10		AB-BB04**M**L-BB**M**L-QD10	
		End1: **(M)** MM | End2: **(H)** MF	AB-BD04**M**L-BD**H**L-QD10		AB-BB04**M**L-BB**H**L-QD10*	
		End1: **(H)** MF | End2: **(H)** MF	-	AB-BD04**H**L-BD**H**L-QD10	-	AB-BB04**H**L-BB**H**L-QD10*
	UL SJTW, PVC Jacket (For Power Group)	End1: **(M)** MM | End2: **(M)** MM	AB-BD04**M**L-BD**M**L-QE10*	-	AB-BB04**M**L-BB**M**L-QE10	-
		End1: **(M)** MM | End2: **(H)** MF	AB-BD04**M**L-BD**H**L-QE10*	-	AB-BB04**M**L-BB**H**L-QE10*	-
		End1: **(H)** MF | End2: **(H)** MF	-	AB-BD04**H**L-BD**H**L-QE10*	-	AB-BB04**H**L-BB**H**L-QE10*
	UL21388, PVC Jacket (For Data Group)	End1: **(M)** MM | End2: **(F)** FF	AB-BD04**M**L-BD**F**L-QD10	-	AB-BB04**M**L-BB**F**L-QD10	-
		End1: **(M)** MM | End2: **(B)** FM	AB-BD04**M**L-BD**B**L-QD10	-	AB-BB04**M**L-BB**B**L-QD10*	-
		End1: **(H)** MF | End2: **(B)** FM	-	AB-BD04**H**L-BD**B**L-QD10	-	AB-BB04**H**L-BB**B**L-QD10*
	UL SJTW, PVC Jacket (For Power Group)	End1: **(M)** MM | End2: **(F)** FF	AB-BD04**M**L-BD**F**L-QE10*	-	AB-BB04**M**L-BB**F**L-QE10	-
		End1: **(M)** MM | End2: **(B)** FM	AB-BD04**M**L-BD**B**L-QE10*	-	AB-BB04**M**L-BB**B**L-QE10*	-
		End1: **(H)** MF | End2: **(B)** FM	-	AB-BD04**H**L-BD**B**L-QE10*	-	AB-BB04**H**L-BB**B**L-QE10*
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF						
	UL21388, PVC Jacket (For Data Group)	End1: **(M)** MM | End2: **(F)** FF	AB-BD04**M**L-BD**F**R-QD10	-	AB-BB04**M**L-BB**F**R-QD10	-
		End1: **(M)** MM | End2: **(B)** FM	AB-BD04**M**L-BD**B**R-QD10	-	AB-BB04**M**L-BB**B**R-QD10*	-
		End1: **(H)** MF | End2: **(B)** FM	-	AB-BD04**H**L-BD**B**R-QD10	-	AB-BB04**H**L-BB**B**R-QD10*
	UL SJTW, PVC Jacket (For Power Group)	End1: **(M)** MM | End2: **(F)** FF	AB-BD04**M**L-BD**F**R-QE10*	-	AB-BB04**M**L-BB**F**R-QE10	-
		End1: **(M)** MM | End2: **(B)** FM	AB-BD04**M**L-BD**B**R-QE10*	-	AB-BB04**M**L-BB**B**R-QE10*	-
		End1: **(H)** MF | End2: **(B)** FM	-	AB-BD04**H**L-BD**B**R-QE10*	-	AB-BB04**H**L-BB**B**R-QE10*

Standard B Size

Mating Pair Page: **74~76**

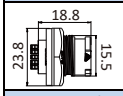
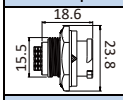
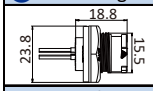
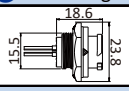
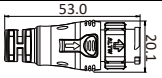
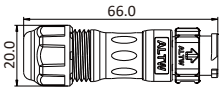
No of Contacts			4		
Rated Voltage (AC/DC)			30 ~ 300V		
Nominal Current			5A		10A
Plastic / Metal			Plastic		Plastic
Pin Assignment **MM** : Male Connector Male Contact **MF** : Male Connector Female Contact			MM	MF	MM
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 5.0 ~ 6.0mm, (Yellow Seal) 6.0 ~ 8.0mm, (Blue Seal) 8.0 ~ 10.0mm					
	Solder Type, For Data Group, Connector With Contacts	All Seals	BD-04B**MM**G-QL8AP0 *	BD-04B**MF**G-QL8AP0 *	-
		5.0 ~ 6.0mm Red Seal	BD-04B**MM**G-QL8SP0 *	BD-04B**MF**G-QL8SP0 *	-
		6.0 ~ 8.0mm Yellow Seal	BD-04B**MM**G-QL8MP0 *	BD-04B**MF**G-QL8MP0 *	-
		8.0 ~ 10.0mm Blue Seal	BD-04B**MM**G-QL8LP0 *	BD-04B**MF**G-QL8LP0 *	-
	Solder Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-04B**MM**G-QL8APP *
		5.0 ~ 6.0mm Red Seal	-	-	BB-04B**MM**G-QL8SPP *
		6.0 ~ 8.0mm Yellow Seal	-	-	BB-04B**MM**G-QL8MPP *
		8.0 ~ 10.0mm Blue Seal	-	-	BB-04B**MM**G-QL8LPP *
	Screw-in Type, For Data Group, Connector With Contacts	All Seals	BD-04B**MM**B-QL8AP0 *	BD-04B**MF**B-QL8AP0 *	-
		5.0 ~ 6.0mm Red Seal	BD-04B**MM**B-QL8SP0 *	BD-04B**MF**B-QL8SP0 *	-
		6.0 ~ 8.0mm Yellow Seal	BD-04B**MM**B-QL8MP0 *	BD-04B**MF**B-QL8MP0 *	-
		8.0 ~ 10.0mm Blue Seal	BD-04B**MM**B-QL8LP0 *	BD-04B**MF**B-QL8LP0 *	-
	Screw-in Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-04B**MM**B-QL8APP *
		5.0 ~ 6.0mm Red Seal	-	-	BB-04B**MM**B-QL8SPP *
		6.0 ~ 8.0mm Yellow Seal	-	-	BB-04B**MM**B-QL8MPP *
		8.0 ~ 10.0mm Blue Seal	-	-	BB-04B**MM**B-QL8LPP *
	Push-in Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-04B**MM**E-QL8APP *
		5.0 ~ 6.0mm Red Seal	-	-	BB-04B**MM**E-QL8SPP *
		6.0 ~ 8.0mm Yellow Seal	-	-	BB-04B**MM**E-QL8MPP *
		8.0 ~ 10.0mm Blue Seal	-	-	BB-04B**MM**E-QL8LPP *
	Crimp Type, For Data Group, Connector With Contacts	All Seals	BD-04B**MM**A-QL8AP0	BD-04B**MF**A-QL8AP0	-
		5.0 ~ 6.0mm Red Seal	BD-04B**MM**A-QL8SP0	BD-04B**MF**A-QL8SP0	-
		6.0 ~ 8.0mm Yellow Seal	BD-04B**MM**A-QL8MP0	BD-04B**MF**A-QL8MP0	-
		8.0 ~ 10.0mm Blue Seal	BD-04B**MM**A-QL8LP0	BD-04B**MF**A-QL8LP0	-
	Crimp Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-04B**MM**A-QL8APP *
		5.0 ~ 6.0mm Red Seal	-	-	BB-04B**MM**A-QL8SPP *
		6.0 ~ 8.0mm Yellow Seal	-	-	BB-04B**MM**A-QL8MPP *
		8.0 ~ 10.0mm Blue Seal	-	-	BB-04B**MM**A-QL8LPP *

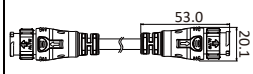
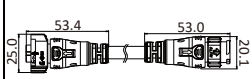
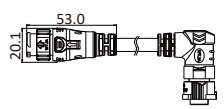
***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

Standard B Size

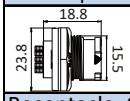
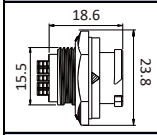
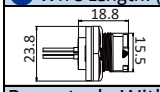
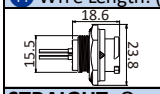
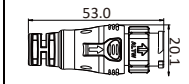
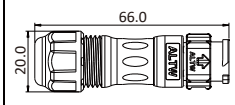
Mating Pair Page: **77~78, 80**

No of Contacts			5		5 (2+3)		6	
Rated Voltage (AC/DC)			30 ~ 300V		30 ~ 300V		30 ~ 300V	
Nominal Current			5A		10A+5A		5A	
Plastic / Metal			Plastic		Plastic		Plastic	
Pin Assignment **MM**: Male Connector Male Contact **FF**: Female Connector Female Contact **MF**: Male Connector Female Contact **FM**: Female Connector Male Contact			MM	MF	MM	MF	MM	MF
Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm								
	Solder Type (For Data Group)		BD-05PMM S-QC8001	BD-05PMF S-QC8001	BBD-05PMM S-QC8001*	BBD-05PMF S-QC8001*	BD-06PMM S-QC8001	BD-06PMF S-QC8001
	180° PCB Type (For Data Group)		BD-05PMM P-QC8001*	BD-05PMF P-QC8001*	BBD-05PMM P-QC8001*	BBD-05PMF P-QC8001*	BD-06PMM P-QC8001*	BD-06PMF P-QC8001*
Receptacle, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm								
	Solder Type (For Data Group)		BD-05RMM S-QC8001	BD-05RMF S-QC8001	BBD-05RMM S-QC8001*	BBD-05RMF S-QC8001*	BD-06RMM S-QC8001	BD-06RMF S-QC8001
Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm[1] | Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm								
	UL1430, XL-PVC Jacket		BD-05PMM S-QC8A11*	BD-05PMF S-QC8A11*	BBD-05PMM S-QC8A11*	BBD-05PMF S-QC8A11*	BD-06PMM S-QC8A11*	BD-06PMF S-QC8A11*
Receptacle With Wires, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm[1] | Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm								
	UL1430, XL-PVC Jacket		BD-05RMM S-QC8A11*	BD-05RMF S-QC8A11*	BBD-05RMM S-QC8A11*	BBD-05RMF S-QC8A11*	BD-06RMM S-QC8A11*	BD-06RMF S-QC8A11*
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M[1]								
	UL21388, PVC Jacket (For Data Group)		BD-05AMM M-QL8D11	BD-05AMF M-QL8D11	-	-	BD-06AMM M-QL8D11	BD-06AMF M-QL8D11
	UL21996, PVC Jacket (For Hybrid Group)		-	-	BBD-05AMM M-QL8F11*	BBD-05AMF M-QL8F11*	-	-
Field Serviceable/Installable, STRAIGHT, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 5.0 ~ 6.0mm, (Yellow Seal) 6.0 ~ 8.0mm, (Blue Seal) 8.0 ~ 10.0mm								
	Solder Type, For Data Group, Connector With Contacts	All Seals	BD-05BMM G-QL8AP0*	BD-05BMF G-QL8AP0*	-	-	BD-06BMMG-QL8AP0*	BD-06BMFG-QL8AP0*
		5.0 ~ 6.0mm Red Seal	BD-05BMM G-QL8SP0*	BD-05BMF G-QL8SP0*	-	-	BD-06BMMG-QL8SP0*	BD-06BMFG-QL8SP0*
		6.0 ~ 8.0mm Yellow Seal	BD-05BMM G-QL8MP0*	BD-05BMF G-QL8MP0*	-	-	BD-06BMMG-QL8MP0*	BD-06BMFG-QL8MP0*
		8.0 ~ 10.0mm Blue Seal	BD-05BMM G-QL8LP0*	BD-05BMF G-QL8LP0*	-	-	BD-06BMMG-QL8LP0*	BD-06BMFG-QL8LP0*
	Screw-in Type, For Data Group, Connector With Contacts	All Seals	BD-05BMM B-QL8AP0*	BD-05BMF B-QL8AP0*	-	-	BD-06BMMB-QL8AP0*	BD-06BMFB-QL8AP0*
		5.0 ~ 6.0mm Red Seal	BD-05BMM B-QL8SP0*	BD-05BMF B-QL8SP0*	-	-	BD-06BMMB-QL8SP0*	BD-06BMFB-QL8SP0*
		6.0 ~ 8.0mm Yellow Seal	BD-05BMM B-QL8MP0*	BD-05BMF B-QL8MP0*	-	-	BD-06BMMB-QL8MP0*	BD-06BMFB-QL8MP0*
		8.0 ~ 10.0mm Blue Seal	BD-05BMM B-QL8LP0*	BD-05BMF B-QL8LP0*	-	-	BD-06BMMB-QL8LP0*	BD-06BMFB-QL8LP0*
	Crimp Type, For Data Group, Connector With Contacts	All Seals	BD-05BMM A-QL8AP0	BD-05BMF A-QL8AP0	-	-	BD-06BMMA-QL8AP0	BD-06BMFA-QL8AP0
		5.0 ~ 6.0mm Red Seal	BD-05BMM A-QL8SP0	BD-05BMF A-QL8SP0	-	-	BD-06BMMA-QL8SP0	BD-06BMFA-QL8SP0
		6.0 ~ 8.0mm Yellow Seal	BD-05BMM A-QL8MP0	BD-05BMF A-QL8MP0	-	-	BD-06BMMA-QL8MP0	BD-06BMFA-QL8MP0
		8.0 ~ 10.0mm Blue Seal	BD-05BMM A-QL8LP0	BD-05BMF A-QL8LP0	-	-	BD-06BMMA-QL8LP0	BD-06BMFA-QL8LP0

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF								
	End1: **(M)** MM | End2: **(M)** MM	AB-BD05ML-BDML-QD10	-	-	-	AB-BD06ML-BDML-QD10	-
	End1: **(M)** MM | End2: **(H)** MF	AB-BD05ML-BDHL-QD10	-	-	-	AB-BD06ML-BDHL-QD10	-
	End1: **(H)** MF | End2: **(H)** MF	-	AB-BD05HL-BDHL-QD10	-	-	-	AB-BD06HL-BDHL-QD10
	End1: **(M)** MM | End2: **(F)** FF	AB-BD05ML-BDFL-QD10	-	-	-	AB-BD06ML-BDFL-QD10	-
	End1: **(M)** MM | End2: **(B)** FM	AB-BD05ML-BDBL-QD10	-	-	-	AB-BD06ML-BDBL-QD10	-
	End1: **(H)** MF | End2: **(B)** FM	-	AB-BD05HL-BDBL-QD10	-	-	-	AB-BD06HL-BDBL-QD10
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF								
	End1: **(M)** MM | End2: **(F)** FF	AB-BD05ML-BDFR-QD10	-	-	-	AB-BD06ML-BDFR-QD10	-
	End1: **(M)** MM | End2: **(B)** FM	AB-BD05ML-BDBR-QD10	-	-	-	AB-BD06ML-BDBR-QD10	-
	End1: **(H)** MF | End2: **(B)** FM	-	AB-BD05HL-BDBR-QD10	-	-	-	AB-BD06HL-BDBR-QD10

Standard B Size

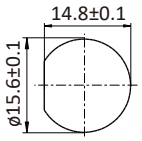
Mating Pair Page: **79~81**

No of Contacts			6 (2+4)		7		8	
Rated Voltage (AC/DC)			30 ~ 300V		30 ~ 300V		30 ~ 300V	
Nominal Current			10A+5A		5A		5A	
Plastic / Metal			Plastic		Plastic		Plastic	
Pin Assignment **MM** : Male Connector Male Contact **FF** : Female Connector Female Contact **MF** : Male Connector Female Contact **FM** : Female Connector Male Contact			MM	MF	MM	MF	MM	MF
Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm								
	Solder Type (For Data Group)		BBD-06P**MM** S-QC8001	BBD-06P**MF** S-QC8001	BD-07P**MM** S-QC8001	-	BD-08P**MM** S-QC8001	-
	180° PCB Type (For Data Group)		BBD-06P**MM** P-QC8001*	BBD-06P**MF** P-QC8001*	BD-07P**MM** P-QC8001*	-	BD-08P**MM** P-QC8001*	-
Receptacle, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm								
	Solder Type (For Data Group)		BBD-06R**MM** S-QC8001	BBD-06R**MF** S-QC8001	BD-07R**MM** S-QC8001	-	BD-08R**MM** S-QC8001	-
	Solder Type (For Power Group)		-	-	BD-07R**MM** S-QC800P*	-	BD-08R**MM** S-QC800P*	-
	180° PCB Type (For Data Group)		BBD-06R**MF** P-QC8001*	BBD-06R**MF** P-QC8001*	BD-07R**MM** P-QC8001*	-	BD-08R**MM** P-QC8001*	-
Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm[1] | Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm								
	UL1430, XL-PVC Jacket		BBD-06P**MM** S-QC8A11*	BBD-06P**MF** S-QC8A11*	BD-07P**MM** S-QC8A11*	-	BD-08P**MM** S-QC8A11*	-
Receptacle With Wires, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm[1] | Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm								
	UL1430, XL-PVC Jacket		BBD-06R**MM** S-QC8A11*	BBD-06R**MF** S-QC8A11*	BD-07R**MM** S-QC8A11*	-	BD-08R**MM** S-QC8A11*	-
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M[1]								
	UL21388, PVC Jacket (For Data Group)		-	-	BD-07A**MM** M-QL8D11	-	BD-08A**MM** M-QL8D11	-
	UL SJTW, PVC Jacket (For Power Group)		-	-	BD-07A**MM** M-QL8E11*	-	BD-08A**MM** M-QL8E11*	-
	UL21996, PVC Jacket (For Hybrid Group)		BBD-06A**MM** M-QL8F11	BBD-06A**MF** M-QL8F11	-	-	-	-
Field Serviceable/Installable, STRAIGHT, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 5.0 ~ 6.0mm, (Yellow Seal) 6.0 ~ 8.0mm, (Blue Seal) 8.0 ~ 10.0mm								
	Solder Type, For Data Group, Connector With Contacts	All Seals	-	-	BD-07B**MM** G-QL8AP0*	-	BD-08B**MM** G-QL8AP0*	-
		5.0 ~ 6.0mm Red Seal	-	-	BD-07B**MM** G-QL8SP0*	-	BD-08B**MM** G-QL8SP0*	-
		6.0 ~ 8.0mm Yellow Seal	-	-	BD-07B**MM** G-QL8MP0*	-	BD-08B**MM** G-QL8MP0*	-
		8.0 ~ 10.0mm Blue Seal	-	-	BD-07B**MM** G-QL8LP0*	-	BD-08B**MM** G-QL8LP0*	-
	Screw-in Type, For Data Group, Connector With Contacts	All Seals	-	-	BD-07B**MM** B-QL8AP0*	-	BD-08B**MM** B-QL8AP0*	-
		5.0 ~ 6.0mm Red Seal	-	-	BD-07B**MM** B-QL8SP0*	-	BD-08B**MM** B-QL8SP0*	-
		6.0 ~ 8.0mm Yellow Seal	-	-	BD-07B**MM** B-QL8MP0*	-	BD-08B**MM** B-QL8MP0*	-
		8.0 ~ 10.0mm Blue Seal	-	-	BD-07B**MM** B-QL8LP0*	-	BD-08B**MM** B-QL8LP0*	-
	Crimp Type, For Data Group, Connector With Contacts	All Seals	-	-	BD-07B**MM** A-QL8AP0	-	BD-08B**MM** A-QL8AP0	-
		5.0 ~ 6.0mm Red Seal	-	-	BD-07B**MM** A-QL8SP0	-	BD-08B**MM** A-QL8SP0	-
		6.0 ~ 8.0mm Yellow Seal	-	-	BD-07B**MM** A-QL8MP0	-	BD-08B**MM** A-QL8MP0	-
		8.0 ~ 10.0mm Blue Seal	-	-	BD-07B**MM** A-QL8LP0	-	BD-08B**MM** A-QL8LP0	-

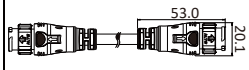
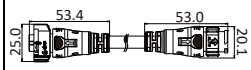
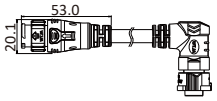
***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

Panel Cut Out



Circular Flange (D Cut) (Unit: mm)

No of Contacts			6 (2+4)		7		8	
Rated Voltage (AC/DC)			30 ~ 300V		30 ~ 300V		30 ~ 300V	
Nominal Current			10A+5A		5A		5A	
Plastic / Metal			Plastic		Plastic		Plastic	
Pin Assignment **MM**: Male Connector Male Contact **FF**: Female Connector Female Contact **MF**: Male Connector Female Contact **FM**: Female Connector Male Contact								
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1] | Connector / Contact Gender: **(M)** MM,**(F)** FF,**(B)** FM,**(H)** MF								
	End1: **(M)** MM | End2: **(M)** MM		AB-BBD06**M**L-BBD**M**L-QF10	-	AB-BD07**M**L-BD**M**L-QD10	-	AB-BD08**M**L-BD**M**L-QD10	-
	End1: **(M)** MM | End2: **(H)** MF		AB-BBD06**M**L-BBD**H**L-QF10	-	AB-BD07**M**L-BD**H**L-QD10*	-	AB-BD08**M**L-BD**H**L-QD10*	-
	End1: **(H)** MF | End2: **(H)** MF		-	AB-BBD06**H**L-BBD**H**L-QF10	-	AB-BD07**H**L-BD**H**L-QD10*	-	AB-BD08**H**L-BD**H**L-QD10*
	End1: **(M)** MM | End2: **(F)** FF		AB-BBD06**M**L-BBD**F**L-QF10	-	AB-BD07**M**L-BD**F**L-QD10	-	AB-BD08**M**L-BD**F**L-QD10	-
	End1: **(M)** MM | End2: **(B)** FM		AB-BBD06**M**L-BBD**B**L-QF10	-	AB-BD07**M**L-BD**B**L-QD10*	-	AB-BD08**M**L-BD**B**L-QD10*	-
	End1: **(H)** MF | End2: **(B)** FM		-	AB-BBD06**H**L-BBD**B**L-QF10	-	AB-BD07**H**L-BD**B**L-QD10*	-	AB-BD08**H**L-BD**B**L-QD10*
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1] | Connector / Contact Gender: **(M)** MM,**(F)** FF,**(B)** FM,**(H)** MF								
	UL21996, PVC Jacket (For Hybrid Group)	End1: **(M)** MM | End2: **(F)** FF	AB-BBD06**M**L-BBD**F**R-QF10	-	AB-BD07**M**L-BD**F**R-QF10*	-	AB-BD08**M**L-BD**F**R-QD10	-
		End1: **(M)** MM | End2: **(B)** FM	AB-BBD06**M**L-BBD**B**R-QF10	-	AB-BD07**M**L-BD**B**R-QF10*	-	AB-BD08**M**L-BD**B**R-QD10*	-
		End1: **(H)** MF | End2: **(B)** FM	-	AB-BBD06**H**L-BBD**B**R-QF10	-	AB-BD07**H**L-BD**B**R-QD10*	-	AB-BD08**H**L-BD**B**R-QD10*
	UL21388, PVC Jacket (For Data Group)	End1: **(M)** MM | End2: **(F)** FF	AB-BBD06**M**L-BBD**F**R-QD10*	-	AB-BD07**M**L-BD**F**R-QD10	-	AB-BD08**M**L-BD**F**R-QF10*	-
		End1: **(M)** MM | End2: **(B)** FM	AB-BBD06**M**L-BBD**B**R-QD10*	-	AB-BD07**M**L-BD**B**R-QD10*	-	AB-BD08**M**L-BD**B**R-QF10*	-
		End1: **(H)** MF | End2: **(B)** FM	-	AB-BBD06**H**L-BBD**B**R-QD10*	-	AB-BD07**H**L-BD**B**R-QF10*	-	AB-BD08**H**L-BD**B**R-QF10*

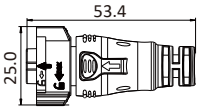
Standard B Size

Mating Pair Page: **57~58**

No of Contacts	2			
Rated Voltage (AC/DC)	30 ~ 600V			
Nominal Current	5A		10A	
Plastic / Metal	Plastic		Plastic	
Pin Assignment	FF	FM	FF	FM
MM: Male Connector Male Contact **FF**: Female Connector Female Contact **MF**: Male Connector Female Contact **FM**: Female Connector Male Contact				

STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)

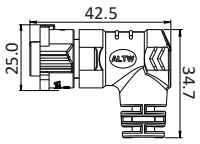
11 Cable Length: (01) 1M ~ (99) 99M[1)]



UL21388, PVC Jacket (For Data Group)	BD-02A**FF**M-QL8D11	BD-02A**FM**M-QL8D11	BB-02A**FF**M-QL8D11	BB-02A**FM**M-QL8D11
UL SJTW, PVC Jacket (For Power Group)	-	-	BB-02A**FF**M-QL8E11	BB-02A**FM**M-QL8E11
SOOW/H07RN-F, CPE Jacket (For Power Group)	-	-	BB-02A**FF**M-QL8K11*	BB-02A**FM**M-QL8K11*
UL21409, XL-PE Jacket (LSZH, For Power Group)	-	-	BB-02A**FF**M-QL8L11*	BB-02A**FM**M-QL8L11*

RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)

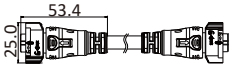
11 Cable Length: (01) 1M ~ (99) 99M[1)]



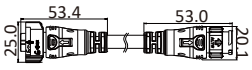
UL21388, PVC Jacket (For Data Group)	BD-02A**FF**M-QR8D11	BD-02A**FM**M-QR8D11	BB-02A**FF**M-QR8D11	BB-02A**FM**M-QR8D11
UL SJTW, PVC Jacket (For Power Group)	-	-	BB-02A**FF**M-QR8E11	BB-02A**FM**M-QR8E11
SOOW/H07RN-F, Rubber Jacket (For Power Group)	-	-	BB-02A**FF**M-QR8K11*	BB-02A**FM**M-QR8K11*
UL21409, XL-PE Jacket (LSZH, For Power Group)	-	-	BB-02A**FF**M-QR8L11*	BB-02A**FM**M-QR8L11*

STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF

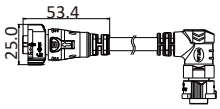
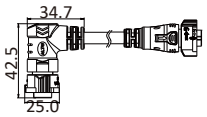
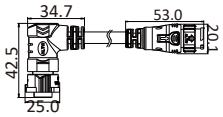
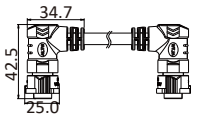


UL21388, PVC Jacket (For Data Group)	End1: **(F)** FF | End2: **(F)** FF	AB-BD02**F**L-BD**F**L-QD10	-	AB-BB02**F**L-BB**F**L-QD10	-
	End1: **(F)** FF | End2: **(B)** FM	AB-BD02**F**L-BD**B**L-QD10	-	AB-BB02**F**L-BB**B**L-QD10	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-BD02**B**L-BD**B**L-QD10	-	AB-BB02**B**L-BB**B**L-QD10
UL SJTW, PVC Jacket (For Power Group)	End1: **(F)** FF | End2: **(F)** FF	AB-BD02**F**L-BD**F**L-QE10*	-	AB-BB02**F**L-BB**F**L-QE10	-
	End1: **(F)** FF | End2: **(B)** FM	AB-BD02**F**L-BD**B**L-QE10*	-	AB-BB02**F**L-BB**B**L-QE10	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-BD02**B**L-BD**B**L-QE10*	-	AB-BB02**B**L-BB**B**L-QE10
UL21388, PVC Jacket (For Data Group)	End1: **(F)** FF | End2: **(H)** MF	AB-BD02**F**L-BD**H**L-QD10	-	AB-BB02**F**L-BB**H**L-QD10	-
UL SJTW, PVC Jacket (For Power Group)	End1: **(F)** FF | End2: **(H)** MF	AB-BD02**F**L-BD**H**L-QE10*	-	AB-BB02**F**L-BB**H**L-QE10	-



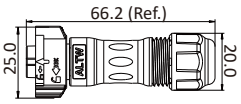
*Upon Request

[1)] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts			2			
Rated Voltage (AC/DC)			30 ~ 600V			
Nominal Current			5A		10A	
Plastic / Metal			Plastic		Plastic	
Pin Assignment **MM**: Male Connector Male Contact **FF**: Female Connector Female Contact **MF**: Male Connector Female Contact **FM**: Female Connector Male Contact						
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF, **(B)** FM						
	UL21388, PVC Jacket (For Data Group)	End1: **(F)** FF | End2: **(F)** FF	AB-BD02**F**L-BD**F**R-QD⑩	-	AB-BB02**F**L-BB**F**R-QD⑩	-
		End1: **(F)** FF | End2: **(B)** FM	AB-BD02**F**L-BD**B**R-QD⑩	-	AB-BB02**F**L-BB**B**R-QD⑩	-
		End1: **(B)** FM | End2: **(B)** FM	-	AB-BD02**B**L-BD**B**R-QD⑩	-	AB-BB02**B**L-BB**B**R-QD⑩
	UL SJTW, PVC Jacket (For Power Group)	End1: **(F)** FF | End2: **(F)** FF	AB-BD02**F**L-BD**F**R-QE⑩*	-	AB-BB02**F**L-BB**F**R-QE⑩	-
		End1: **(F)** FF | End2: **(B)** FM	AB-BD02**F**L-BD**B**R-QE⑩*	-	AB-BB02**F**L-BB**B**R-QE⑩	-
		End1: **(B)** FM | End2: **(B)** FM	-	AB-BD02**B**L-BD**B**R-QE⑩*	-	AB-BB02**B**L-BB**B**R-QE⑩
RIGHT ANGLE-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF						
	UL21388, PVC Jacket (For Data Group)	End1: **(F)** FF | End2: **(B)** FM	AB-BD02**F**R-BD**B**L-QD⑩	-	AB-BB02**F**R-BB**B**L-QD⑩	-
	UL SJTW, PVC Jacket (For Power Group)	End1: **(F)** FF | End2: **(B)** FM	AB-BD02**F**R-BD**B**L-QE⑩*	-	AB-BB02**F**R-BB**B**L-QE⑩	-
	UL21388, PVC Jacket (For Data Group)	End1: **(F)** FF | End2: **(H)** MF	-	AB-BD02**F**R-BD**H**L-QD⑩	-	AB-BB02**F**R-BB**H**L-QD⑩
	UL SJTW, PVC Jacket (For Power Group)	End1: **(F)** FF | End2: **(H)** MF	-	AB-BD02**F**R-BD**H**L-QE⑩*	-	AB-BB02**F**R-BB**H**L-QE⑩
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF, **(B)** FM						
	UL21388, PVC Jacket (For Data Group)	End1: **(F)** FF | End2: **(F)** FF	AB-BD02**F**R-BD**F**R-QD⑩	-	AB-BB02**F**R-BB**F**R-QD⑩	-
		End1: **(F)** FF | End2: **(B)** FM	AB-BD02**F**R-BD**B**R-QD⑩	-	AB-BB02**F**R-BB**B**R-QD⑩	-
		End1: **(B)** FM | End2: **(B)** FM	-	AB-BD02**B**R-BD**B**R-QD⑩	-	AB-BB02**B**R-BB**B**R-QD⑩
	UL SJTW, PVC Jacket (For Power Group)	End1: **(F)** FF | End2: **(F)** FF	AB-BD02**F**R-BD**F**R-QE⑩*	-	AB-BB02**F**R-BB**F**R-QE⑩	-
		End1: **(F)** FF | End2: **(B)** FM	AB-BD02**F**R-BD**B**R-QE⑩*	-	AB-BB02**F**R-BB**B**R-QE⑩	-
		End1: **(B)** FM | End2: **(B)** FM	-	AB-BD02**B**R-BD**B**R-QE⑩*	-	AB-BB02**B**R-BB**B**R-QE⑩

Standard B Size

Mating Pair Page: **57~58**

No of Contacts			2			
Rated Voltage (AC/DC)			30 ~ 300V			
Nominal Current			5A		10A	
Plastic / Metal			Plastic		Plastic	
Pin Assignment **FF**: Female Connector Female Contact **FM**: Female Connector Male Contact			FF	FM	FF	FM
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 5.0 ~ 6.0mm, (Yellow Seal) 6.0 ~ 8.0mm, (Blue Seal) 8.0 ~ 10.0mm						
	Solder Type, For Data Group, Connector With Contacts	All Seals	BD-02B**FF**G-QL8AP0*	BD-02B**FM**G-QL8AP0*	-	-
		5.0 ~ 6.0mm Red Seal	BD-02B**FF**G-QL8SP0*	BD-02B**FM**G-QL8SP0*	-	-
		6.0 ~ 8.0mm Yellow Seal	BD-02B**FF**G-QL8MP0*	BD-02B**FM**G-QL8MP0*	-	-
		8.0 ~ 10.0mm Blue Seal	BD-02B**FF**G-QL8LP0*	BD-02B**FM**G-QL8LP0*	-	-
	Solder Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-02B**FF**G-QL8APP*	BB-02B**FM**G-QL8APP*
		5.0 ~ 6.0mm Red Seal	-	-	BB-02B**FF**G-QL8SPP*	BB-02B**FM**G-QL8SPP*
		6.0 ~ 8.0mm Yellow Seal	-	-	BB-02B**FF**G-QL8MPP*	BB-02B**FM**G-QL8MPP*
		8.0 ~ 10.0mm Blue Seal	-	-	BB-02B**FF**G-QL8LPP*	BB-02B**FM**G-QL8LPP*
	Screw-in Type, For Data Group, Connector With Contacts	All Seals	BD-02B**FF**B-QL8AP0*	BD-02B**FM**B-QL8AP0*	-	-
		5.0 ~ 6.0mm Red Seal	BD-02B**FF**B-QL8SP0*	BD-02B**FM**B-QL8SP0*	-	-
		6.0 ~ 8.0mm Yellow Seal	BD-02B**FF**B-QL8MP0*	BD-02B**FM**B-QL8MP0*	-	-
		8.0 ~ 10.0mm Blue Seal	BD-02B**FF**B-QL8LP0*	BD-02B**FM**B-QL8LP0*	-	-
	Screw-in Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-02B**FF**B-QL8APP*	BB-02B**FM**B-QL8APP*
		5.0 ~ 6.0mm Red Seal	-	-	BB-02B**FF**B-QL8SPP*	BB-02B**FM**B-QL8SPP*
		6.0 ~ 8.0mm Yellow Seal	-	-	BB-02B**FF**B-QL8MPP*	BB-02B**FM**B-QL8MPP*
		8.0 ~ 10.0mm Blue Seal	-	-	BB-02B**FF**B-QL8LPP*	BB-02B**FM**B-QL8LPP*
	Push-in Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-02B**FF**E-QL8APP*	BB-02B**FM**E-QL8APP*
		5.0 ~ 6.0mm Red Seal	-	-	BB-02B**FF**E-QL8SPP*	BB-02B**FM**E-QL8SPP*
		6.0 ~ 8.0mm Yellow Seal	-	-	BB-02B**FF**E-QL8MPP*	BB-02B**FM**E-QL8MPP*
		8.0 ~ 10.0mm Blue Seal	-	-	BB-02B**FF**E-QL8LPP*	BB-02B**FM**E-QL8LPP*
	Crimp Type, For Data Group, Connector With Contacts	All Seals	BD-02B**FF**A-QL8AP0	BD-02B**FM**A-QL8AP0	-	-
		5.0 ~ 6.0mm Red Seal	BD-02B**FF**A-QL8SP0	BD-02B**FM**A-QL8SP0	-	-
		6.0 ~ 8.0mm Yellow Seal	BD-02B**FF**A-QL8MP0	BD-02B**FM**A-QL8MP0	-	-
		8.0 ~ 10.0mm Blue Seal	BD-02B**FF**A-QL8LP0	BD-02B**FM**A-QL8LP0	-	-
	Crimp Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-02B**FF**A-QL8APP	BB-02B**FM**A-QL8APP
		5.0 ~ 6.0mm Red Seal	-	-	BB-02B**FF**A-QL8SPP	BB-02B**FM**A-QL8SPP
		6.0 ~ 8.0mm Yellow Seal	-	-	BB-02B**FF**A-QL8MPP	BB-02B**FM**A-QL8MPP
		8.0 ~ 10.0mm Blue Seal	-	-	BB-02B**FF**A-QL8LPP	BB-02B**FM**A-QL8LPP

***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

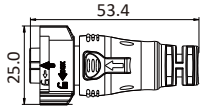
Standard B Size

Mating Pair Page: **59~61**

No of Contacts	3			
Rated Voltage (AC/DC)	30 ~ 600V			
Nominal Current	5A		10A	
Plastic / Metal	Plastic		Plastic	
Pin Assignment	FF	FM	FF	FM
MM: Male Connector Male Contact **FF**: Female Connector Female Contact **MF**: Male Connector Female Contact **FM**: Female Connector Male Contact				

STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)

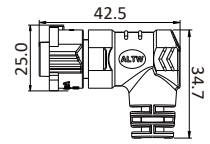
11 Cable Length: (01) 1M ~ (99) 99M[1)]



UL21388, PVC Jacket (For Data Group)	BD-03A**FF**M-QL8D 11	BD-03A**FM**M-QL8D 11	BB-03A**FF**M-QL8D 11	BB-03A**FM**M-QL8D 11
UL SJTW, PVC Jacket (For Power Group)	BD-03A**FF**M-QL8E 11	BD-03A**FM**M-QL8E 11	BB-03A**FF**M-QL8E 11	BB-03A**FM**M-QL8E 11
SOOW/H07RN-F, CPE Jacket (For Power Group)	-	-	BB-03A**FF**M-QL8K 11 *	BB-03A**FM**M-QL8K 11 *
UL21409, XL-PE Jacket (LSZH, For Power Group)	-	-	BB-03A**FF**M-QL8L 11 *	BB-03A**FM**M-QL8L 11 *

RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)

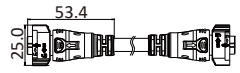
11 Cable Length: (01) 1M ~ (99) 99M[1)]



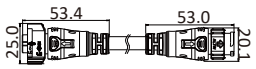
UL21388, PVC Jacket (For Data Group)	BD-03A**FF**M-QR8D 11	BD-03A**FM**M-QR8D 11	BB-03A**FF**M-QR8D 11	BB-03A**FM**M-QR8D 11
UL SJTW, PVC Jacket (For Power Group)	BD-03A**FF**M-QR8E 11	BD-03A**FM**M-QR8E 11	BB-03A**FF**M-QR8E 11	BB-03A**FM**M-QR8E 11
SOOW/H07RN-F, Rubber Jacket (For Power Group)	-	-	BB-03A**FF**M-QR8K 11 *	BB-03A**FM**M-QR8K 11 *
UL21409, XL-PE Jacket (LSZH, For Power Group)	-	-	BB-03A**FF**M-QR8L 11 *	BB-03A**FM**M-QR8L 11 *

STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF



UL21388, PVC Jacket (For Data Group)	End1: **(F)** FF | End2: **(F)** FF	AB-BD03**F**L-BD**F**L-QD 10	-	AB-BB03**F**L-BB**F**L-QD 10	-
	End1: **(F)** FF | End2: **(B)** FM	AB-BD03**F**L-BD**B**L-QD 10	-	AB-BB03**F**L-BB**B**L-QD 10	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-BD03**B**L-BD**B**L-QD 10	-	AB-BB03**B**L-BB**B**L-QD 10
UL SJTW, PVC Jacket (For Power Group)	End1: **(F)** FF | End2: **(F)** FF	AB-BD03**F**L-BD**F**L-QE 10	-	AB-BB03**F**L-BB**F**L-QE 10	-
	End1: **(F)** FF | End2: **(B)** FM	AB-BD03**F**L-BD**B**L-QE 10	-	AB-BB03**F**L-BB**B**L-QE 10	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-BD03**B**L-BD**B**L-QE 10	-	AB-BB03**B**L-BB**B**L-QE 10



UL21388, PVC Jacket (For Data Group)	End1: **(F)** FF | End2: **(H)** MF	AB-BD03**F**L-BD**H**L-QD 10	-	AB-BB03**F**L-BB**H**L-QD 10	-
UL SJTW, PVC Jacket (For Power Group)	End1: **(F)** FF | End2: **(H)** MF	AB-BD03**F**L-BD**H**L-QE 10	-	AB-BB03**F**L-BB**H**L-QE 10	-

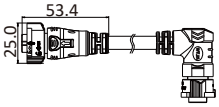
Standard B Size

Mating Pair Page: **59~61**

No of Contacts	3			
Rated Voltage (AC/DC)	30 ~ 600V			
Nominal Current	5A		10A	
Plastic / Metal	Plastic		Plastic	
Pin Assignment **MM**: Male Connector Male Contact **FF**: Female Connector Female Contact **MF**: Male Connector Female Contact **FM**: Female Connector Male Contact				

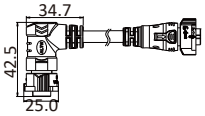
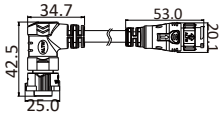
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF, **(B)** FM

	UL21388, PVC Jacket (For Data Group)	End1: **(F)** FF | End2: **(F)** FF	AB-BD03**F**L-BD**F**R-QD10	-	AB-BB03**F**L-BB**F**R-QD10	-
		End1: **(F)** FF | End2: **(B)** FM	AB-BD03**F**L-BD**B**R-QD10	-	AB-BB03**F**L-BB**B**R-QD10	-
		End1: **(B)** FM | End2: **(B)** FM	-	AB-BD03**B**L-BD**B**R-QD10	-	AB-BB03**B**L-BB**B**R-QD10
	UL SJTW, PVC Jacket (For Power Group)	End1: **(F)** FF | End2: **(F)** FF	AB-BD03**F**L-BD**F**R-QE10	-	AB-BB03**F**L-BB**F**R-QE10	-
		End1: **(F)** FF | End2: **(B)** FM	AB-BD03**F**L-BD**B**R-QE10	-	AB-BB03**F**L-BB**B**R-QE10	-
		End1: **(B)** FM | End2: **(B)** FM	-	AB-BD03**B**L-BD**B**R-QE10	-	AB-BB03**B**L-BB**B**R-QE10

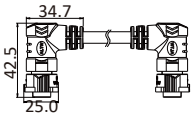
RIGHT ANGLE-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF

	UL21388, PVC Jacket (For Data Group)	End1: **(F)** FF | End2: **(B)** FM	AB-BD03**F**R-BD**B**L-QD10	-	AB-BB03**F**R-BB**B**L-QD10	-
	UL SJTW, PVC Jacket (For Power Group)	End1: **(F)** FF | End2: **(B)** FM	AB-BD03**F**R-BD**B**L-QE10	-	AB-BB03**F**R-BB**B**L-QE10	-
	UL21388, PVC Jacket (For Data Group)	End1: **(F)** FF | End2: **(H)** MF	-	AB-BD03**F**R-BD**H**L-QD10	-	AB-BB03**F**R-BB**H**L-QD10
	UL SJTW, PVC Jacket (For Power Group)	End1: **(F)** FF | End2: **(H)** MF	-	AB-BD03**F**R-BD**H**L-QE10	-	AB-BB03**F**R-BB**H**L-QE10

RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF, **(B)** FM

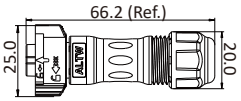
	UL21388, PVC Jacket (For Data Group)	End1: **(F)** FF | End2: **(F)** FF	AB-BD03**F**R-BD**F**R-QD10	-	AB-BB03**F**R-BB**F**R-QD10	-
		End1: **(F)** FF | End2: **(B)** FM	AB-BD03**F**R-BD**B**R-QD10	-	AB-BB03**F**R-BB**B**R-QD10	-
		End1: **(B)** FM | End2: **(B)** FM	-	AB-BD03**B**R-BD**B**R-QD10	-	AB-BB03**B**R-BB**B**R-QD10
	UL SJTW, PVC Jacket (For Power Group)	End1: **(F)** FF | End2: **(F)** FF	AB-BD03**F**R-BD**F**R-QE10	-	AB-BB03**F**R-BB**F**R-QE10	-
		End1: **(F)** FF | End2: **(B)** FM	AB-BD03**F**R-BD**B**R-QE10	-	AB-BB03**F**R-BB**B**R-QE10	-
		End1: **(B)** FM | End2: **(B)** FM	-	AB-BD03**B**R-BD**B**R-QE10	-	AB-BB03**B**R-BB**B**R-QE10

***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

Standard B Size

Mating Pair Page: **59~61**

No of Contacts			3			
Rated Voltage (AC/DC)			30 ~ 300V			
Nominal Current			5A		10A	
Plastic / Metal			Plastic		Plastic	
Pin Assignment **FF**: Female Connector Female Contact **FM**: Female Connector Male Contact			FF	FM	FF	FM
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 5.0 ~ 6.0mm, (Yellow Seal) 6.0 ~ 8.0mm, (Blue Seal) 8.0 ~ 10.0mm						
	Solder Type, For Data Group, Connector With Contacts	All Seals	BD-03B**FF**G-QL8AP0*	BD-03B**FM**G-QL8AP0*	-	-
		5.0 ~ 6.0mm Red Seal	BD-03B**FF**G-QL8SP0*	BD-03B**FM**G-QL8SP0*	-	-
		6.0 ~ 8.0mm Yellow Seal	BD-03B**FF**G-QL8MP0*	BD-03B**FM**G-QL8MP0*	-	-
		8.0 ~ 10.0mm Blue Seal	BD-03B**FF**G-QL8LP0*	BD-03B**FM**G-QL8LP0*	-	-
	Solder Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-03B**FF**G-QL8APP*	BB-03B**FM**G-QL8APP*
		5.0 ~ 6.0mm Red Seal	-	-	BB-03B**FF**G-QL8SPP*	BB-03B**FM**G-QL8SPP*
		6.0 ~ 8.0mm Yellow Seal	-	-	BB-03B**FF**G-QL8MPP*	BB-03B**FM**G-QL8MPP*
		8.0 ~ 10.0mm Blue Seal	-	-	BB-03B**FF**G-QL8LPP*	BB-03B**FM**G-QL8LPP*
	Screw-in Type, For Data Group, Connector With Contacts	All Seals	BD-03B**FF**B-QL8AP0*	BD-03B**FM**B-QL8AP0*	-	-
		5.0 ~ 6.0mm Red Seal	BD-03B**FF**B-QL8SP0*	BD-03B**FM**B-QL8SP0*	-	-
		6.0 ~ 8.0mm Yellow Seal	BD-03B**FF**B-QL8MP0*	BD-03B**FM**B-QL8MP0*	-	-
		8.0 ~ 10.0mm Blue Seal	BD-03B**FF**B-QL8LP0*	BD-03B**FM**B-QL8LP0*	-	-
	Screw-in Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-03B**FF**B-QL8APP*	BB-03B**FM**B-QL8APP*
		5.0 ~ 6.0mm Red Seal	-	-	BB-03B**FF**B-QL8SPP*	BB-03B**FM**B-QL8SPP*
		6.0 ~ 8.0mm Yellow Seal	-	-	BB-03B**FF**B-QL8MPP*	BB-03B**FM**B-QL8MPP*
		8.0 ~ 10.0mm Blue Seal	-	-	BB-03B**FF**B-QL8LPP*	BB-03B**FM**B-QL8LPP*
	Push-in Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-03B**FF**E-QL8APP*	BB-03B**FM**E-QL8APP*
		5.0 ~ 6.0mm Red Seal	-	-	BB-03B**FF**E-QL8SPP*	BB-03B**FM**E-QL8SPP*
		6.0 ~ 8.0mm Yellow Seal	-	-	BB-03B**FF**E-QL8MPP*	BB-03B**FM**E-QL8MPP*
		8.0 ~ 10.0mm Blue Seal	-	-	BB-03B**FF**E-QL8LPP*	BB-03B**FM**E-QL8LPP*
	Crimp Type, For Data Group, Connector With Contacts	All Seals	BD-03B**FF**A-QL8AP0	BD-03B**FM**A-QL8AP0	-	-
		5.0 ~ 6.0mm Red Seal	BD-03B**FF**A-QL8SP0	BD-03B**FM**A-QL8SP0	-	-
		6.0 ~ 8.0mm Yellow Seal	BD-03B**FF**A-QL8MP0	BD-03B**FM**A-QL8MP0	-	-
		8.0 ~ 10.0mm Blue Seal	BD-03B**FF**A-QL8LP0	BD-03B**FM**A-QL8LP0	-	-
	Crimp Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-03B**FF**A-QL8APP	BB-03B**FM**A-QL8APP
		5.0 ~ 6.0mm Red Seal	-	-	BB-03B**FF**A-QL8SPP	BB-03B**FM**A-QL8SPP
		6.0 ~ 8.0mm Yellow Seal	-	-	BB-03B**FF**A-QL8MPP	BB-03B**FM**A-QL8MPP
		8.0 ~ 10.0mm Blue Seal	-	-	BB-03B**FF**A-QL8LPP	BB-03B**FM**A-QL8LPP

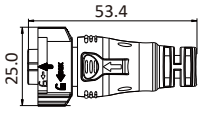
Standard B Size

Mating Pair Page: **62~64**

No of Contacts	4			
Rated Voltage (AC/DC)	30 ~ 600V			
Nominal Current	5A		10A	
Plastic / Metal	Plastic		Plastic	
Pin Assignment	FF	FM	FF	FM
MM: Male Connector Male Contact **FF**: Female Connector Female Contact **MF**: Male Connector Female Contact **FM**: Female Connector Male Contact				

STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)

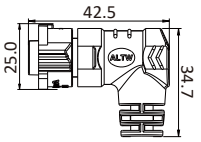
11 Cable Length: (01) 1M ~ (99) 99M[1)]



UL21388, PVC Jacket (For Data Group)	BD-04A**FF**M-QL8D11	BD-04A**FM**M-QL8D11	BB-04A**FF**M-QL8D11	BB-04A**FM**M-QL8D11*
UL SJTW, PVC Jacket (For Power Group)	-	-	BB-04A**FF**M-QL8E11	-
SOOW/H07RN-F, CPE Jacket (For Power Group)	-	-	BB-04A**FF**M-QL8K11*	-
UL21409, XL-PE Jacket (LSZH, For Power Group)	-	-	BB-04A**FF**M-QL8L11*	-

RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)

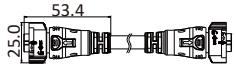
11 Cable Length: (01) 1M ~ (99) 99M[1)]



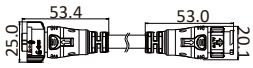
UL21388, PVC Jacket (For Data Group)	BD-04A**FF**M-QR8D11	BD-04A**FM**M-QR8D11	BB-04A**FF**M-QR8D11	BB-04A**FM**M-QR8D11*
UL SJTW, PVC Jacket (For Power Group)	-	-	BB-04A**FF**M-QR8E11	-
SOOW/H07RN-F, Rubber Jacket (For Power Group)	-	-	BB-04A**FF**M-QR8K11*	-
UL21409, XL-PE Jacket (LSZH, For Power Group)	-	-	BB-04A**FF**M-QR8L11*	-

STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF



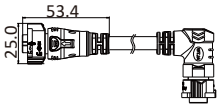
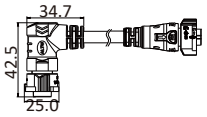
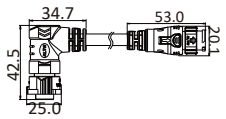
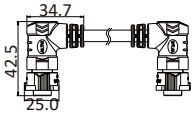
UL21388, PVC Jacket (For Data Group)	End1: **(F)** FF | End2: **(F)** FF	AB-BD04**F**L-BD**F**L-QD10	-	AB-BB04**F**L-BB**F**L-QD10	-
	End1: **(F)** FF | End2: **(B)** FM	AB-BD04**F**L-BD**B**L-QD10	-	AB-BB04**F**L-BB**B**L-QD10*	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-BD04**B**L-BD**B**L-QD10	-	AB-BB04**B**L-BB**B**L-QD10*
UL SJTW, PVC Jacket (For Power Group)	End1: **(F)** FF | End2: **(F)** FF	AB-BD04**F**L-BD**F**L-QE10*	-	AB-BB04**F**L-BB**F**L-QE10	-
	End1: **(F)** FF | End2: **(B)** FM	AB-BD04**F**L-BD**B**L-QE10*	-	AB-BB04**F**L-BB**B**L-QE10*	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-BD04**B**L-BD**B**L-QE10*	-	AB-BB04**B**L-BB**B**L-QE10*



UL21388, PVC Jacket (For Data Group)	End1: **(F)** FF | End2: **(H)** MF	AB-BD04**F**L-BD**H**L-QD10	-	AB-BB04**F**L-BB**H**L-QD10*	-
UL SJTW, PVC Jacket (For Power Group)	End1: **(F)** FF | End2: **(H)** MF	AB-BD04**F**L-BD**H**L-QE10*	-	AB-BB04**F**L-BB**H**L-QE10*	-

***Upon Request**

[1)] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

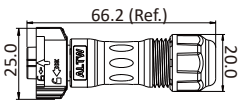
No of Contacts			4			
Rated Voltage (AC/DC)			30 ~ 600V			
Nominal Current			5A		10A	
Plastic / Metal			Plastic		Plastic	
Pin Assignment **MM**: Male Connector Male Contact **FF**: Female Connector Female Contact **MF**: Male Connector Female Contact **FM**: Female Connector Male Contact						
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF, **(B)** FM						
	UL21388, PVC Jacket (For Data Group)	End1: **(F)** FF | End2: **(F)** FF	AB-BD04**F**L-BD**F**R-QD10	-	AB-BB04**F**L-BB**F**R-QD10	-
		End1: **(F)** FF | End2: **(B)** FM	AB-BD04**F**L-BD**B**R-QD10	-	AB-BB04**F**L-BB**B**R-QD10*	-
		End1: **(B)** FM | End2: **(B)** FM	-	AB-BD04**B**L-BD**B**R-QD10	-	AB-BB04**B**L-BB**B**R-QD10*
	UL SJTW, PVC Jacket (For Power Group)	End1: **(F)** FF | End2: **(F)** FF	AB-BD04**F**L-BD**F**R-QE10*	-	AB-BB04**F**L-BB**F**R-QE10	-
		End1: **(F)** FF | End2: **(B)** FM	AB-BD04**F**L-BD**B**R-QE10*	-	AB-BB04**F**L-BB**B**R-QE10*	-
		End1: **(B)** FM | End2: **(B)** FM	-	AB-BD04**B**L-BD**B**R-QE10*	-	AB-BB04**B**L-BB**B**R-QE10*
RIGHT ANGLE-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF						
	UL21388, PVC Jacket (For Data Group)	End1: **(F)** FF | End2: **(B)** FM	AB-BD04**F**R-BD**B**L-QD10	-	AB-BB04**F**R-BB**B**L-QD10*	-
	UL SJTW, PVC Jacket (For Power Group)	End1: **(F)** FF | End2: **(B)** FM	AB-BD04**F**R-BD**B**L-QE10*	-	AB-BB04**F**R-BB**B**L-QE10*	-
	UL21388, PVC Jacket (For Data Group)	End1: **(F)** FF | End2: **(H)** MF	-	AB-BD04**F**R-BD**H**L-QD10	-	AB-BB04**F**R-BB**H**L-QD10*
	UL SJTW, PVC Jacket (For Power Group)	End1: **(F)** FF | End2: **(H)** MF	-	AB-BD04**F**R-BD**H**L-QE10*	-	AB-BB04**F**R-BB**H**L-QE10*
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF, **(B)** FM						
	UL21388, PVC Jacket (For Data Group)	End1: **(F)** FF | End2: **(F)** FF	AB-BD04**F**R-BD**F**R-QD10	-	AB-BB04**F**R-BB**F**R-QD10	-
		End1: **(F)** FF | End2: **(B)** FM	AB-BD04**F**R-BD**B**R-QD10	-	AB-BB04**F**R-BB**B**R-QD10*	-
		End1: **(B)** FM | End2: **(B)** FM	-	AB-BD04**B**R-BD**B**R-QD10	-	AB-BB04**B**R-BB**B**R-QD10*
	UL SJTW, PVC Jacket (For Power Group)	End1: **(F)** FF | End2: **(F)** FF	AB-BD04**F**R-BD**F**R-QE10*	-	AB-BB04**F**R-BB**F**R-QE10	-
		End1: **(F)** FF | End2: **(B)** FM	AB-BD04**F**R-BD**B**R-QE10*	-	AB-BB04**F**R-BB**B**R-QE10*	-
		End1: **(B)** FM | End2: **(B)** FM	-	AB-BD04**B**R-BD**B**R-QE10*	-	AB-BB04**B**R-BB**B**R-QE10*

***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

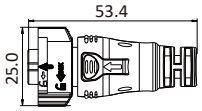
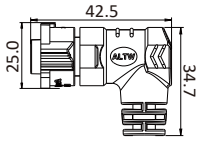
Standard B Size

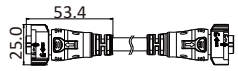
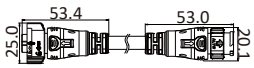
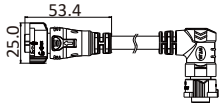
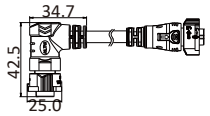
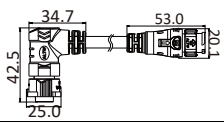
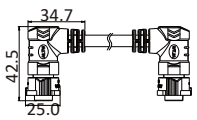
Mating Pair Page: **62~64**

No of Contacts			4		
Rated Voltage (AC/DC)			30 ~ 300V		
Nominal Current			5A		10A
Plastic / Metal			Plastic		Plastic
Pin Assignment **FF**: Female Connector Female Contact **FM** : Female Connector Male Contact			FF	FM	FF
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 5.0 ~ 6.0mm, (Yellow Seal) 6.0 ~ 8.0mm, (Blue Seal) 8.0 ~ 10.0mm					
	Solder Type, For Data Group, Connector With Contacts	All Seals	BD-04B**FF**G-QL8AP0 *	BD-04B**FM**G-QL8AP0 *	-
		5.0 ~ 6.0mm Red Seal	BD-04B**FF**G-QL8SP0 *	BD-04B**FM**G-QL8SP0 *	-
		6.0 ~ 8.0mm Yellow Seal	BD-04B**FF**G-QL8MP0*	BD-04B**FM**G-QL8MP0*	-
		8.0 ~ 10.0mm Blue Seal	BD-04B**FF**G-QL8LP0 *	BD-04B**FM**G-QL8LP0 *	-
	Solder Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-04B**FF**G-QL8APP *
		5.0 ~ 6.0mm Red Seal	-	-	BB-04B**FF**G-QL8SPP *
		6.0 ~ 8.0mm Yellow Seal	-	-	BB-04B**FF**G-QL8MPP *
		8.0 ~ 10.0mm Blue Seal	-	-	BB-04B**FF**G-QL8LPP *
	Screw-in Type, For Data Group, Connector With Contacts	All Seals	BD-04B**FF**B-QL8AP0 *	BD-04B**FM**B-QL8AP0 *	-
		5.0 ~ 6.0mm Red Seal	BD-04B**FF**B-QL8SP0 *	BD-04B**FM**B-QL8SP0 *	-
		6.0 ~ 8.0mm Yellow Seal	BD-04B**FF**B-QL8MP0*	BD-04B**FM**B-QL8MP0*	-
		8.0 ~ 10.0mm Blue Seal	BD-04B**FF**B-QL8LP0 *	BD-04B**FM**B-QL8LP0 *	-
	Screw-in Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-04B**FF**B-QL8APP *
		5.0 ~ 6.0mm Red Seal	-	-	BB-04B**FF**B-QL8SPP *
		6.0 ~ 8.0mm Yellow Seal	-	-	BB-04B**FF**B-QL8MPP *
		8.0 ~ 10.0mm Blue Seal	-	-	BB-04B**FF**B-QL8LPP *
	Push-in Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-04B**FF**E-QL8APP *
		5.0 ~ 6.0mm Red Seal	-	-	BB-04B**FF**E-QL8SPP *
		6.0 ~ 8.0mm Yellow Seal	-	-	BB-04B**FF**E-QL8MPP *
		8.0 ~ 10.0mm Blue Seal	-	-	BB-04B**FF**E-QL8LPP *
	Crimp Type, For Data Group, Connector With Contacts	All Seals	BD-04B**FF**A-QL8AP0	BD-04B**FM**A-QL8AP0	-
		5.0 ~ 6.0mm Red Seal	BD-04B**FF**A-QL8SP0	BD-04B**FM**A-QL8SP0	-
		6.0 ~ 8.0mm Yellow Seal	BD-04B**FF**A-QL8MP0	BD-04B**FM**A-QL8MP0	-
		8.0 ~ 10.0mm Blue Seal	BD-04B**FF**A-QL8LP0	BD-04B**FM**A-QL8LP0	-
	Crimp Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-04B**FF**A-QL8APP
		5.0 ~ 6.0mm Red Seal	-	-	BB-04B**FF**A-QL8SPP
		6.0 ~ 8.0mm Yellow Seal	-	-	BB-04B**FF**A-QL8MPP
		8.0 ~ 10.0mm Blue Seal	-	-	BB-04B**FF**A-QL8LPP

Standard B Size

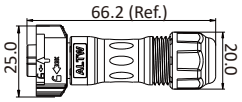
Mating Pair Page: **65**

No of Contacts		5		6	
Rated Voltage (AC/DC)		30 ~ 300V		30 ~ 300V	
Nominal Current		5A		5A	
Plastic / Metal		Plastic		Plastic	
Pin Assignment **MM** : Male Connector Male Contact **FF** : Female Connector Female Contact **MF** : Male Connector Female Contact **FM** : Female Connector Male Contact		FF	FM	FF	FM
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M[1)]					
	UL21388, PVC Jacket (For Data Group)	BD-05A**FF**M-QL8D11	BD-05A**FM**M-QL8D11	BD-06A**FF**M-QL8D11	BD-06A**FM**M-QL8D11
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M[1)]					
	UL21388, PVC Jacket (For Data Group)	BD-05A**FF**M-QR8D11	BD-05A**FM**M-QR8D11	BD-06A**FF**M-QR8D11	BD-06A**FM**M-QR8D11

STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF					
	End1: **(F)** FF | End2: **(F)** FF	AB-BD05**F**L-BD**F**L-QD10*	-	AB-BD06**F**L-BD**F**L-QD10	-
	End1: **(F)** FF | End2: **(B)** FM	AB-BD05**F**L-BD**B**L-QD10*	-	AB-BD06FL-BDBL-QD10	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-BD05**B**L-BD**B**L-QD10*	-	AB-BD06**B**L-BD**B**L-QD10
	End1: **(F)** FF | End2: **(H)** MF	AB-BD05**F**L-BD**H**L-QD10*	-	AB-BD06**F**L-BD**H**L-QD10	-
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM					
	End1: **(F)** FF | End2: **(F)** FF	AB-BD05**F**L-BD**F**R-QD10	-	AB-BD06**F**L-BD**F**R-QD10	-
	End1: **(F)** FF | End2: **(B)** FM	AB-BD05**F**L-BD**B**R-QD10	-	AB-BD06**F**L-BD**B**R-QD10	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-BD05**B**L-BD**B**R-QD10	-	AB-BD06**B**L-BD**B**R-QD10
RIGHT ANGLE-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, (H) MF					
	End1: **(F)** FF | End2: **(B)** FM	AB-BD05**F**R-BD**B**L-QD10		AB-BD06**F**R-BD**B**L-QD10	
	End1: **(F)** FF | End2: **(H)** MF		AB-BD05**F**R-BD**H**L-QD10		AB-BD06**F**R-BD**H**L-QD10
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM					
	End1: **(F)** FF | End2: **(F)** FF	AB-BD05**F**R-BD**F**R-QD10	-	AB-BD06**F**R-BD**F**R-QD10	-
	End1: **(F)** FF | End2: **(B)** FM	AB-BD05**F**R-BD**B**R-QD10	-	AB-BD06**F**R-BD**B**R-QD10	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-BD05**B**R-BD**B**R-QD10	-	AB-BD06**B**R-BD**B**R-QD10

Standard B Size

Mating Pair Page: **65**

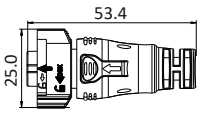
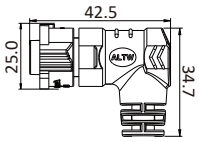
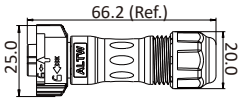
No of Contacts		5		6	
Rated Voltage (AC/DC)		30 ~ 300V		30 ~ 300V	
Nominal Current		5A		5A	
Plastic / Metal		Plastic		Plastic	
Pin Assignment **FF**: Female Connector Female Contact **FM**: Female Connector Male Contact		FF	FM	FF	FM
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 5.0 ~ 6.0mm, (Yellow Seal) 6.0 ~ 8.0mm, (Blue Seal) 8.0 ~ 10.0mm					
	Solder Type, For Data Group, Connector With Contacts	All Seals	BD-05B**FF**G-QL8AP0*	BD-05B**FM**G-QL8AP0*	BD-06B**FF**G-QL8AP0*	BD-06B**FM**G-QL8AP0*
		5.0 ~ 6.0mm Red Seal	BD-05B**FF**G-QL8SP0*	BD-05B**FM**G-QL8SP0*	BD-06B**FF**G-QL8SP0*	BD-06B**FM**G-QL8SP0*
		6.0 ~ 8.0mm Yellow Seal	BD-05B**FF**G-QL8MP0*	BD-05B**FM**G-QL8MP0*	BD-06B**FF**G-QL8MP0*	BD-06B**FM**G-QL8MP0*
		8.0 ~ 10.0mm Blue Seal	BD-05B**FF**G-QL8LP0*	BD-05B**FM**G-QL8LP0*	BD-06B**FF**G-QL8LP0*	BD-06B**FM**G-QL8LP0*
	Screw-in Type, For Data Group, Connector With Contacts	All Seals	BD-05B**FF**B-QL8AP0*	BD-05B**FM**B-QL8AP0*	BD-06B**FF**B-QL8AP0*	BD-06B**FM**B-QL8AP0*
		5.0 ~ 6.0mm Red Seal	BD-05B**FF**B-QL8SP0*	BD-05B**FM**B-QL8SP0*	BD-06B**FF**B-QL8SP0*	BD-06B**FM**B-QL8SP0*
		6.0 ~ 8.0mm Yellow Seal	BD-05B**FF**B-QL8MP0*	BD-05B**FM**B-QL8MP0*	BD-06B**FF**B-QL8MP0*	BD-06B**FM**B-QL8MP0*
		8.0 ~ 10.0mm Blue Seal	BD-05B**FF**B-QL8LP0*	BD-05B**FM**B-QL8LP0*	BD-06B**FF**B-QL8LP0*	BD-06B**FM**B-QL8LP0*
	Crimp Type, For Data Group, Connector With Contacts	All Seals	BD-05B**FF**A-QL8AP0	BD-05B**FM**A-QL8AP0	BD-06B**FF**A-QL8AP0	BD-06B**FM**A-QL8AP0
		5.0 ~ 6.0mm Red Seal	BD-05B**FF**A-QL8SP0	BD-05B**FM**A-QL8SP0	BD-06B**FF**A-QL8SP0	BD-06B**FM**A-QL8SP0
		6.0 ~ 8.0mm Yellow Seal	BD-05B**FF**A-QL8MP0	BD-05B**FM**A-QL8MP0	BD-06B**FF**A-QL8MP0	BD-06B**FM**A-QL8MP0
		8.0 ~ 10.0mm Blue Seal	BD-05B**FF**A-QL8LP0	BD-05B**FM**A-QL8LP0	BD-06B**FF**A-QL8LP0	BD-06B**FM**A-QL8LP0

***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

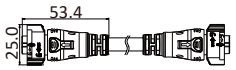
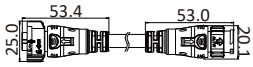
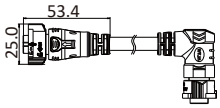
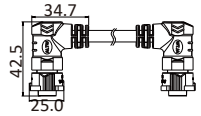
Standard B Size

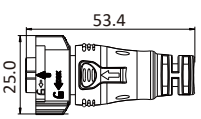
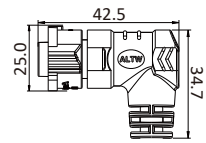
Mating Pair Page: **66~67**

No of Contacts			7	8
Rated Voltage (AC/DC)			30 ~ 300V	30 ~ 300V
Nominal Current			5A	5A
Plastic / Metal			Plastic	Plastic
Pin Assignment **FF**: Female Connector Female Contact			FF	FF
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M[1)]				
	UL21388, PVC Jacket (For Data Group)		BD-07A**FF**M-QL8D11	BD-08A**FF**M-QL8D11
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M[1)]				
	UL21388, PVC Jacket (For Data Group)		BD-07A**FF**M-QR8D11	BD-08A**FF**M-QR8D11
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 5.0 ~ 6.0mm, (Yellow Seal) 6.0 ~ 8.0mm, (Blue Seal) 8.0 ~ 10.0mm				
	Solder Type, For Data Group, Connector With Contacts	All Seals	BD-07B**FF**G-QL8AP0*	BD-08B**FF**G-QL8AP0*
		5.0 ~ 6.0mm Red Seal	BD-07B**FF**G-QL8SP0*	BD-08B**FF**G-QL8SP0*
		6.0 ~ 8.0mm Yellow Seal	BD-07B**FF**G-QL8MP0*	BD-08B**FF**G-QL8MP0*
		8.0 ~ 10.0mm Blue Seal	BD-07B**FF**G-QL8LP0*	BD-08B**FF**G-QL8LP0*
	Screw-in Type, For Data Group, Connector With Contacts	All Seals	BD-07B**FF**B-QL8AP0*	BD-08B**FF**B-QL8AP0*
		5.0 ~ 6.0mm Red Seal	BD-07B**FF**B-QL8SP0*	BD-08B**FF**B-QL8SP0*
		6.0 ~ 8.0mm Yellow Seal	BD-07B**FF**B-QL8MP0*	BD-08B**FF**B-QL8MP0*
		8.0 ~ 10.0mm Blue Seal	BD-07B**FF**B-QL8LP0*	BD-08B**FF**B-QL8LP0*
	Crimp Type, For Data Group, Connector With Contacts	All Seals	BD-07B**FF**A-QL8AP0	BD-08B**FF**A-QL8AP0
		5.0 ~ 6.0mm Red Seal	BD-07B**FF**A-QL8SP0	BD-08B**FF**A-QL8SP0
		6.0 ~ 8.0mm Yellow Seal	BD-07B**FF**A-QL8MP0	BD-08B**FF**A-QL8MP0
		8.0 ~ 10.0mm Blue Seal	BD-07B**FF**A-QL8LP0	BD-08B**FF**A-QL8LP0

Standard B Size

Mating Pair Page: **59, 62, 65, 66~67**

No of Contacts		7		8	
Rated Voltage (AC/DC)		30 ~ 300V		30 ~ 300V	
Nominal Current		5A		5A	
Plastic / Metal		Plastic		Plastic	
Pin Assignment **FF**: Female Connector Female Contact **MF**: Male Connector Female Contact **FM**: Female Connector Male Contact					
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF					
	End1: **(F)** FF | End2: **(F)** FF	AB-BD07**F**L-BD**F**L-QD 10	-	AB-BD08**F**L-BD**F**L-QD 10	-
	End1: **(F)** FF | End2: **(B)** FM	AB-BD07**F**L-BD**B**L-QD 10*	-	AB-BD08**F**L-BD**B**L-QD 10*	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-BD07**B**L-BD**B**L-QD 10*	-	AB-BD08**B**L-BD**B**L-QD 10*
	End1: **(F)** FF | End2: **(H)** MF	AB-BD07**F**L-BD**H**L-QD 10*	-	AB-BD08**F**L-BD**H**L-QD 10*	-
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1] | Connector / Contact Gender: **(F)** FF, **(B)** FM					
	End1: **(F)** FF | End2: **(F)** FF	AB-BD07**F**L-BD**F**R-QD 10	-	AB-BD08**F**L-BD**F**R-QD 10	-
	End1: **(F)** FF | End2: **(B)** FM	AB-BD07**F**L-BD**B**R-QD 10*	-	AB-BD08**F**L-BD**B**R-QD 10*	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-BD07**B**L-BD**B**R-QD 10*	-	AB-BD08**B**L-BD**B**R-QD 10*
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1] | Connector / Contact Gender: **(F)** FF, **(B)** FM					
	End1: **(F)** FF | End2: **(F)** FF	AB-BD07**F**R-BD**F**R-QD 10	-	AB-BD08**F**R-BD**F**R-QD 10	-
	End1: **(F)** FF | End2: **(B)** FM	AB-BD07**F**R-BD**B**R-QD 10*	-	AB-BD08**F**R-BD**B**R-QD 10*	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-BD07**B**R-BD**B**R-QD 10*	-	AB-BD08**B**R-BD**B**R-QD 10*

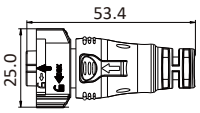
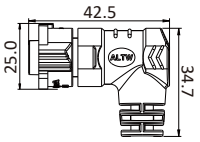
No of Contacts		3 (2+1)		4 (2+2)		5 (2+3)	
Rated Voltage (AC/DC)		30 ~ 300V		30 ~ 300V		30 ~ 300V	
Nominal Current		10A+5A		10A+5A		10A+5A	
Plastic / Metal		Plastic		Plastic		Plastic	
Pin Assignment		FF	FM	FF	FM	FF	FM
FF : Female Connector Female Contact **FM** : Female Connector Male Contact							
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M[1]							
	UL21996, PVC Jacket (For Hybrid Group)	BBD-03A**FF** M-QL8F 11*	BBD-03A**FM** M-QL8F 11*	BBD-04A**FF** M-QL8F 11*	BBD-04A**FM** M-QL8F 11*	BBD-05A**FF** M-QL8F 11*	BBD-05A**FM** M-QL8F 11*
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M[1]							
	UL21996, PVC Jacket (For Hybrid Group)	BBD-03A**FF** M-QR8F 11*	BBD-03A**FM** M-QR8F 11*	BBD-04A**FF** M-QR8F 11*	BBD-04A**FM** M-QR8F 11*	BBD-05A**FF** M-QR8F 11*	BBD-05A**FM** M-QR8F 11*

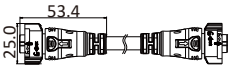
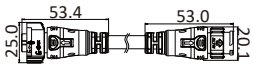
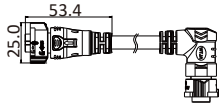
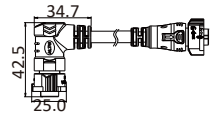
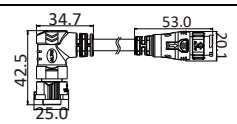
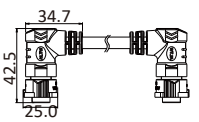
*Upon Request

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

Standard B Size

Mating Pair Page: **66~67**

No of Contacts		6 (2+4)	
Rated Voltage (AC/DC)		30 ~ 300V	
Nominal Current		10A+5A	
Plastic / Metal		Plastic	
Pin Assignment **MM** : Male Connector Male Contact **FF**: Female Connector Female Contact **MF**: Male Connector Female Contact **FM** : Female Connector Male Contact		FF	FM
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M[1)]			
	UL21996, PVC Jacket (For Hybrid Group)	BBD-06A**FF**M-QL8F 11	BBD-06A**FM**M-QL8F 11
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M[1)]			
	UL21996, PVC Jacket (For Hybrid Group)	BBD-06A**FF**M-QR8F 11	BBD-06A**FM**M-QR8F 11

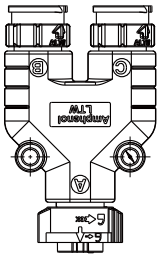
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF			
	End1: **(F)** FF | End2: **(F)** FF	AB-BBD06**F**L-BBD**F**L-QF 10	-
	End1: **(F)** FF | End2: **(B)** FM	AB-BBD06**F**L-BBD**B**L-QF 10	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-BBD06**B**L-BBD**B**L-QF 10
	End1: **(F)** FF | End2: **(H)** MF	AB-BBD06**F**L-BBD**H**L-QF 10	-
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM			
	End1: **(F)** FF | End2: **(F)** FF	AB-BBD06**F**L-BBD**F**R-QF 10	-
	End1: **(F)** FF | End2: **(B)** FM	AB-BBD06**F**L-BBD**B**R-QF 10	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-BBD06**B**L-BBD**B**R-QF 10
RIGHT ANGLE-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF			
	End1: **(F)** FF | End2: **(B)** FM	AB-BBD06**F**R-BBD**B**L-QF 10	-
	End1: **(F)** FF | End2: **(H)** MF	-	AB-BBD06**F**R-BBD**H**L-QF 10
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM			
	End1: **(F)** FF | End2: **(F)** FF	AB-BBD06**F**R-BBD**F**R-QF 10	-
	End1: **(F)** FF | End2: **(B)** FM	AB-BBD06**F**R-BBD**B**R-QF 10	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-BBD06**B**R-BBD**B**R-QF 10

***Upon Request**

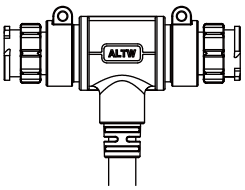
1) Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

Customization - Upon Request

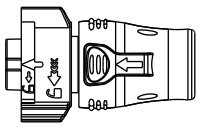
I Adaptor



Y Adaptor

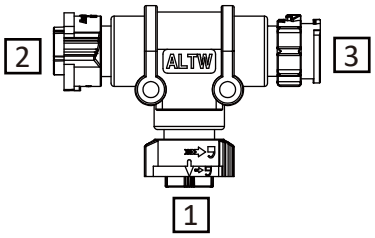


T Cable



Terminator

T Adaptor

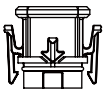


1 Current Rating:
(BD) 5A*
(BB) 10A
5 For Connector 1
6 For Connector 2
7 For Connector 3
Choose Connector / Contacts Gender:
(M): Male + Male
(F): Female + Female
(H): Male + Female
(B): Female + Male
*Upon Request

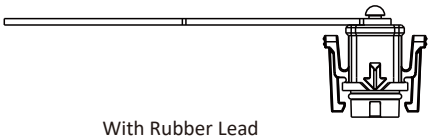
Nominal Current	No. of Contacts	Mating Style	Part Number	More Options
10A (BB)	02, 03	Push Lock	AB-BB-222-BBH-TQ001	AB-1-222-567-TQ001

Waterproof Cap

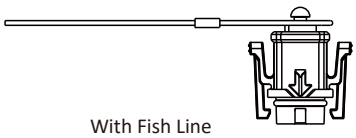
For Mating With Male



None

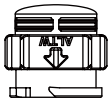


With Rubber Lead

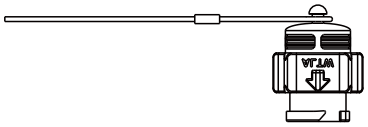


With Fish Line

For Mating With Female



None

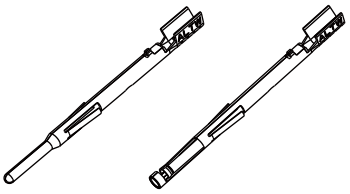


With Fish Line

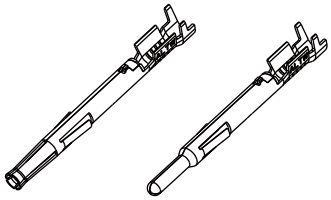
More to choose:
3 None (MA) / With Rubber Lead (PC)
4 None (MA) / With Fish Line (CD)
5 None (A) / With Fish Line (D)

Size	Mating Part	Gender of Mating Part	Mating Style	Part Number
B Size	Receptacle	Male	Push Lock	CAP-WABMQ31
	Overmolded with Cable	Female		CAP-WABFQ41
		Male		CAP-WABMQM51

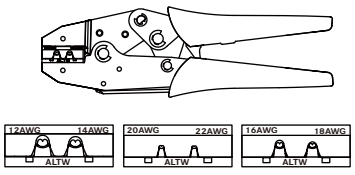
Contacts & Crimp Tool



5A



10A/20A

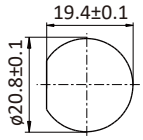
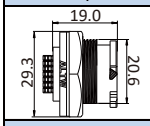
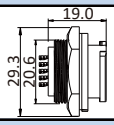
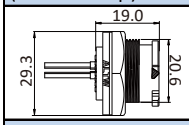
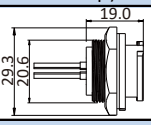
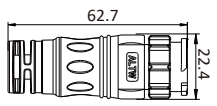


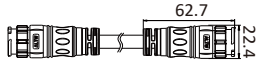
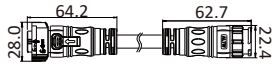
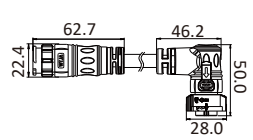
Crimp Tool

Nominal Current	Contact Gender	Part Number	Packages 6	Crimp Tool
5A	Male	ASSP-05-M-A-C-6	**(SA)** 50pcs / Box **(SB)** 100pcs / Box **(RE)** 5A 3,000pcs / Reel 10A 3,000pcs / Reel 20A 2,000pcs / Reel	P/N: ASST-C-05-W-A (22 ~ 20AWG | 0.34 ~ 0.50mm^2)
	Female	ASSP-05-F-A-C-6		
10A	Male	ASSP-10-M-A-C-6		P/N: ASST-C-10-W-B (18 ~ 16AWG | 0.75 ~ 1.50mm^2)
	Female	ASSP-10-F-A-C-6		

Middle C Size

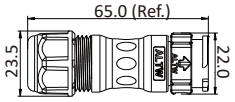
Mating Pair Page: **97~98**

No of Contacts	**Panel Cut Out**	2		3		3	
Rated Voltage (AC/DC)	Circular Flange (D Cut)	300V		300V		600V	
Nominal Current		20A		20A		10A	
Plastic / Metal		Plastic		Plastic		Plastic	
Pin Assignment	(Unit: mm)	MM	MF	MM	MF	MM	MF
MM: Male Connector Male Contact **FF**: Female Connector Female Contact **MF**: Male Connector Female Contact **FM**: Female Connector Male Contact							
Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 8 ~ 10 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.2mm							
	Solder Type	CC-02P**MM**S-QC800P	CC-02P**MF**S-QC800P	CC-03P**MM**S-QC800P	CC-03P**MF**S-QC800P	CC-03P**MM**S-QC801P	CC-03P**MF**S-QC801P
	180° PCB Type	CC-02P**MM**P-QC800P*	CC-02P**MF**P-QC800P*	CC-03P**MM**P-QC800P*	CC-03P**MF**P-QC800P*	-	-
Receptacle, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm							
	Solder Type	CC-02R**MM**S-QC800P	CC-02R**MF**S-QC800P	CC-03R**MM**S-QC800P	CC-03R**MF**S-QC800P	-	-
Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm [1] | Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.2mm							
	UL1015, PVC Jacket	CC-02P**MM**S-QC8B11*	CC-02P**MF**S-QC8B11*	CC-03P**MM**S-QC8B11*	CC-03P**MF**S-QC8B11*	-	-
Receptacle With Wires, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm [1] | Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.2mm							
	UL1015, PVC Jacket	CC-02R**MM**S-QC8B11*	CC-02R**MF**S-QC8B11*	CC-03R**MM**S-QC8B11*	CC-03R**MF**S-QC8B11*	-	-
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1]							
	UL SJTW, PVC Jacket (For Power Group)	CC-02A**MM**M-QL8E11	CC-02A**MF**M-QL8E11	CC-03A**MM**M-QL8E11	CC-03A**MF**M-QL8E11	-	-

STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF							
	End1: **(M)** MM End2: **(M)** MM	AB-CC02**M**L-CC**M**L-QE10	-	AB-CC03**M**L-CC**M**L-QE10	-	-	-
	End1: **(M)** MM End2: **(H)** MF	AB-CC02**M**L-CC**H**L-QE10	-	AB-CC03**M**L-CC**H**L-QE10	-	-	-
	End1: **(H)** MF End2: **(H)** MF	-	AB-CC02**H**L-CC**H**L-QE10	-	AB-CC03**H**L-CC**H**L-QE10	-	-
	End1: **(M)** MM End2: **(F)** FF	AB-CC02**M**L-CC**F**L-QE10	-	AB-CC03**M**L-CC**F**L-QE10	-	-	-
	End1: **(M)** MM End2: **(B)** FM	AB-CC02**M**L-CC**B**L-QE10	-	AB-CC03**M**L-CC**B**L-QE10	-	-	-
	End1: **(H)** MF End2: **(B)** FM	-	AB-CC02**H**L-CC**B**L-QE10	-	AB-CC03**H**L-CC**B**L-QE10	-	-
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF							
	End1: **(M)** MM End2: **(F)** FF	AB-CC02**M**L-CC**F**R-QE10	-	AB-CC03**M**L-CC**F**R-QE10	-	-	-
	End1: **(M)** MM End2: **(B)** FM	AB-CC02**M**L-CC**B**R-QE10	-	AB-CC03**M**L-CC**B**R-QE10	-	-	-
	End1: **(H)** MF End2: **(B)** FM	-	AB-CC02**H**L-CC**B**R-QE10	-	AB-CC03**H**L-CC**B**R-QE10	-	-

Middle C Size

Mating Pair Page: **97~98**

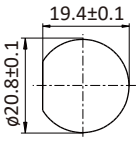
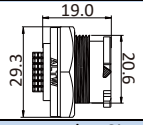
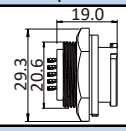
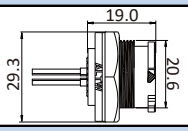
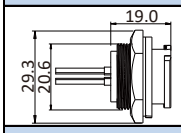
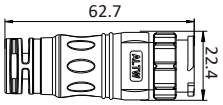
No of Contacts			2		3	
Rated Voltage (AC/DC)			300V		300V	
Nominal Current			20A		20A	
Plastic / Metal			Plastic		Plastic	
Pin Assignment **MM**: Male Connector Male Contact **MF**: Male Connector Female Contact			MM	MF	MM	MF
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 6.0 ~ 8.0mm, (Yellow Seal) 8.0 ~ 10.0mm, (Blue Seal) 10.0 ~ 12.0mm						
	Solder Type, For Power Group, Packing: Connector With Contacts	All Seals	CC-02B**MM**G-QL8APP*	CC-02B**MF**G-QL8APP*	CC-03B**MM**G-QL8APP*	CC-03B**MF**G-QL8APP*
		6.0 ~ 8.0mm Red Seal	CC-02B**MM**G-QL8SPP*	CC-02B**MF**G-QL8SPP*	CC-03B**MM**G-QL8SPP*	CC-03B**MF**G-QL8SPP*
		8.0 ~ 10.0mm Yellow Seal	CC-02B**MM**G-QL8MPP*	CC-02B**MF**G-QL8MPP*	CC-03B**MM**G-QL8MPP*	CC-03B**MF**G-QL8MPP*
		10.0 ~ 12.0mm Blue Seal	CC-02B**MM**G-QL8LPP*	CC-02B**MF**G-QL8LPP*	CC-03B**MM**G-QL8LPP*	CC-03B**MF**G-QL8LPP*
	Screw-in Type, For Power Group, Packing: Connector With Contacts	All Seals	CC-02B**MM**B-QL8APP	CC-02B**MF**B-QL8APP	CC-03B**MM**B-QL8APP	CC-03B**MF**B-QL8APP
		6.0 ~ 8.0mm Red Seal	CC-02B**MM**B-QL8SPP	CC-02B**MF**B-QL8SPP	CC-03B**MM**B-QL8SPP	CC-03B**MF**B-QL8SPP
		8.0 ~ 10.0mm Yellow Seal	CC-02B**MM**B-QL8MPP	CC-02B**MF**B-QL8MPP	CC-03B**MM**B-QL8MPP	CC-03B**MF**B-QL8MPP
		10.0 ~ 12.0mm Blue Seal	CC-02B**MM**B-QL8LPP	CC-02B**MF**B-QL8LPP	CC-03B**MM**B-QL8LPP	CC-03B**MF**B-QL8LPP
	Push-in Type, For Power Group, Packing: Connector With Contacts	All Seals	CC-02B**MM**E-QL8APP*	CC-02B**MF**E-QL8APP*	CC-03B**MM**E-QL8APP*	CC-03B**MF**E-QL8APP*
		6.0 ~ 8.0mm Red Seal	CC-02B**MM**E-QL8SPP*	CC-02B**MF**E-QL8SPP*	CC-03B**MM**E-QL8SPP*	CC-03B**MF**E-QL8SPP*
		8.0 ~ 10.0mm Yellow Seal	CC-02B**MM**E-QL8MPP*	CC-02B**MF**E-QL8MPP*	CC-03B**MM**E-QL8MPP*	CC-03B**MF**E-QL8MPP*
		10.0 ~ 12.0mm Blue Seal	CC-02B**MM**E-QL8LPP*	CC-02B**MF**E-QL8LPP*	CC-03B**MM**E-QL8LPP*	CC-03B**MF**E-QL8LPP*
	Crimp Type, For Power Group, Packing: Connector With Contacts	All Seals	CC-02B**MM**A-QL8APP	CC-02B**MF**A-QL8APP	CC-03B**MM**A-QL8APP	CC-03B**MF**A-QL8APP
		6.0 ~ 8.0mm Red Seal	CC-02B**MM**A-QL8SPP	CC-02B**MF**A-QL8SPP	CC-03B**MM**A-QL8SPP	CC-03B**MF**A-QL8SPP
		8.0 ~ 10.0mm Yellow Seal	CC-02B**MM**A-QL8MPP	CC-02B**MF**A-QL8MPP	CC-03B**MM**A-QL8MPP	CC-03B**MF**A-QL8MPP
		10.0 ~ 12.0mm Blue Seal	CC-02B**MM**A-QL8LPP	CC-02B**MF**A-QL8LPP	CC-03B**MM**A-QL8LPP	CC-03B**MF**A-QL8LPP
	Crimp Type, For Power Group, Packing: Connector Without Contacts	All Seals	CC-02B**MM**A-QL8ANP	CC-02B**MF**A-QL8ANP	CC-03B**MM**A-QL8ANP	CC-03B**MF**A-QL8ANP
		6.0 ~ 8.0mm Red Seal	CC-02B**MM**A-QL8SNP	CC-02B**MF**A-QL8SNP	CC-03B**MM**A-QL8SNP	CC-03B**MF**A-QL8SNP
		8.0 ~ 10.0mm Yellow Seal	CC-02B**MM**A-QL8MNP	CC-02B**MF**A-QL8MNP	CC-03B**MM**A-QL8MNP	CC-03B**MF**A-QL8MNP
		10.0 ~ 12.0mm Blue Seal	CC-02B**MM**A-QL8LNP	CC-02B**MF**A-QL8LNP	CC-03B**MM**A-QL8LNP	CC-03B**MF**A-QL8LNP

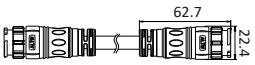
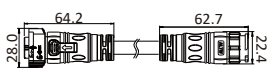
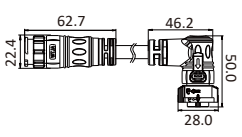
***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

Middle C Size

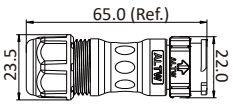
Mating Pair Page: **99~100**

No of Contacts	**Panel Cut Out** Circular Flange (D Cut)  (Unit: mm)	4		4 (3+1)	
Rated Voltage (AC/DC)		300V		300V	
Nominal Current		10A		10A+5A	
Plastic / Metal		Plastic		Plastic	
Pin Assignment **MM** : Male Connector Male Contact **FF**: Female Connector Female Contact **MF**: Male Connector Female Contact **FM**: Female Connector Male Contact		MM	MF	MM	MF
Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 8 ~ 10 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.2mm					
	Solder Type	CB-04P**MM**S-QC8001	CB-04P**MF**S-QC8001	CBD-04P**MM**S-QC8001*	CBD-04P**MF**S-QC8001*
	180° PCB Type	CB-04P**MM**P-QC8001 *	CB-04P**MF**P-QC8001 *	CBD-04P**MM**P-QC8001 *	CBD-04P**MF**P-QC8001 *
Receptacle, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	Solder Type	CB-04R**MM**S-QC8001	CB-04R**MF**S-QC8001	CBD-04R**MM**S-QC8001*	CBD-04R**MF**S-QC8001*
Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) (11) Wire Length: (10) 100mm ~ (50) 500mm[1)] | Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.2mm					
	UL1430, XL-PVC Jacket	CB-04P**MM**S-QC8A(11) *	CB-04P**MF**S-QC8A(11) *	CBD-04P**MM**S-QC8A(11) *	CBD-04P**MM**S-QC8A(11) *
Receptacle With Wires, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated) (11) Wire Length: (10) 100mm ~ (50) 500mm[1)] | Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.2mm					
	UL1430, XL-PVC Jacket	CB-04R**MM**S-QC8A(11) *	CB-04R**MF**S-QC8A(11) *	CBD-04R**MM**S-QC8A(11) *	CBD-04R**MF**S-QC8A(11) *
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) (11) Cable Length: (01) 1M ~ (99) 99M[1)]					
	UL21388, PVC Jacket (For Data Group)	CB-04A**MM**M-QL8D(11)	CB-04A**MF**M-QL8D(11)	-	-
	UL21996, PVC Jacket (For Hybrid Group)	-	-	CBD-04A**MM**M-QL8F(11) *	CBD-04A**MF**M-QL8F(11) *

STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) (10) Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF					
	End1: **(M)** MM | End2: **(M)** MM	AB-CB04**M**L-CB**M**L-QD(10)	-	AB-CBD04**M**L-CBD**M**L-QF(10) *	-
	End1: **(M)** MM | End2: **(H)** MF	AB-CB04**M**L-CB**H**L-QD(10)	-	AB-CBD04**M**L-CBD**H**L-QF(10) *	-
	End1: **(H)** MF | End2: **(H)** MF	-	AB-CB04**H**L-CB**H**L-QD(10)	-	AB-CBD04**H**L-CBD**H**L-QF(10) *
	End1: **(M)** MM | End2: **(F)** FF	AB-CB04**M**L-CB**F**L-QD(10)	-	AB-CBD04**M**L-CBD**F**L-QF(10) *	-
	End1: **(M)** MM | End2: **(B)** FM	AB-CB04**M**L-CB**B**L-QD(10)	-	AB-CBD04**M**L-CBD**B**L-QF(10) *	-
	End1: **(H)** MF | End2: **(B)** FM	-	AB-CB04**H**L-CB**B**L-QD(10)	-	AB-CBD04**H**L-CBD**B**L-QF(10) *
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) (10) Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF					
	End1: **(M)** MM | End2: **(F)** FF	AB-CB04**M**L-CB**F**R-QD(10)	-	AB-CBD04**M**L-CBD**F**R-QF(10) *	-
	End1: **(M)** MM | End2: **(B)** FM	AB-CB04**M**L-CB**B**R-QD(10)	-	AB-CBD04**M**L-CBD**B**R-QF(10) *	-
	End1: **(H)** MF | End2: **(B)** FM	-	AB-CB04**H**L-CB**B**R-QD(10)	-	AB-CBD04**H**L-CBD**B**R-QF(10) *

Middle C Size

Mating Pair Page: **99~100**

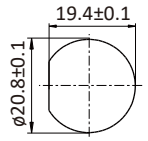
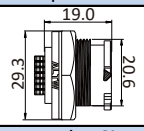
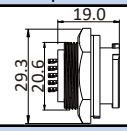
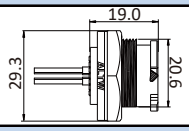
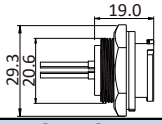
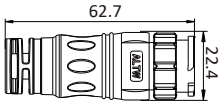
No of Contacts			4	
Rated Voltage (AC/DC)			300V	
Nominal Current			10A	
Plastic / Metal			Plastic	
Pin Assignment **MM** : Male Connector Male Contact **MF**: Male Connector Female Contact			MM	MF
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 6.0 ~ 8.0mm, (Yellow Seal) 8.0 ~ 10.0mm, (Blue Seal) 10.0 ~ 12.0mm				
	Solder Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-04B**MM**G-QL8AP0 *	CB-04B**MF**G-QL8AP0 *
		6.0 ~ 8.0mm Red Seal	CB-04B**MM**G-QL8SP0 *	CB-04B**MF**G-QL8SP0 *
		8.0 ~ 10.0mm Yellow Seal	CB-04B**MM**G-QL8MP0 *	CB-04B**MF**G-QL8MP0 *
		10.0 ~ 12.0mm Blue Seal	CB-04B**MM**G-QL8LP0 *	CB-04B**MF**G-QL8LP0 *
	Screw-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-04B**MM**B-QL8AP0 *	CB-04B**MF**B-QL8AP0 *
		6.0 ~ 8.0mm Red Seal	CB-04B**MM**B-QL8SP0 *	CB-04B**MF**B-QL8SP0 *
		8.0 ~ 10.0mm Yellow Seal	CB-04B**MM**B-QL8MP0 *	CB-04B**MF**B-QL8MP0 *
		10.0 ~ 12.0mm Blue Seal	CB-04B**MM**B-QL8LP0 *	CB-04B**MF**B-QL8LP0 *
	Push-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-04B**MM**E-QL8AP0 *	CB-04B**MF**E-QL8AP0 *
		6.0 ~ 8.0mm Red Seal	CB-04B**MM**E-QL8SP0 *	CB-04B**MF**E-QL8SP0 *
		8.0 ~ 10.0mm Yellow Seal	CB-04B**MM**E-QL8MP0 *	CB-04B**MF**E-QL8MP0 *
		10.0 ~ 12.0mm Blue Seal	CB-04B**MM**E-QL8LP0 *	CB-04B**MF**E-QL8LP0 *
	Crimp Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-04B**MM**A-QL8AP0	CB-04B**MF**A-QL8AP0
		6.0 ~ 8.0mm Red Seal	CB-04B**MM**A-QL8SP0	CB-04B**MF**A-QL8SP0
		8.0 ~ 10.0mm Yellow Seal	CB-04B**MM**A-QL8MP0	CB-04B**MF**A-QL8MP0
		10.0 ~ 12.0mm Blue Seal	CB-04B**MM**A-QL8LP0	CB-04B**MF**A-QL8LP0
	Crimp Type, For Data Group, Packing: Connector Without Contacts	All Seals	CB-04B**MM**A-QL8AN0	CB-04B**MF**A-QL8AN0
		6.0 ~ 8.0mm Red Seal	CB-04B**MM**A-QL8SN0	CB-04B**MF**A-QL8SN0
		8.0 ~ 10.0mm Yellow Seal	CB-04B**MM**A-QL8MN0	CB-04B**MF**A-QL8MN0
		10.0 ~ 12.0mm Blue Seal	CB-04B**MM**A-QL8LN0	CB-04B**MF**A-QL8LN0

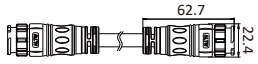
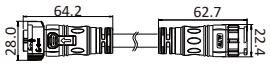
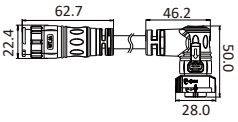
***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

Middle C Size

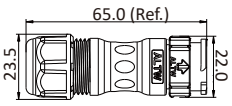
Mating Pair Page: **101~102**

No of Contacts	**Panel Cut Out** Circular Flange (D Cut) 	5		5 (3+2)	
Rated Voltage (AC/DC)		300V		300V	
Nominal Current		10A		10A+5A	
Plastic / Metal		Plastic		Plastic	
Pin Assignment **MM** : Male Connector Male Contact **FF**: Female Connector Female Contact **MF**: Male Connector Female Contact **FM**: Female Connector Male Contact		MM	MF	MM	MF
Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 8 ~ 10 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.2mm					
	Solder Type	CB-05P**MM**S-QC8001	CB-05P**MF**S-QC8001	CBD-05P**MM**S-QC8001*	CBD-05P**MF**S-QC8001*
	180° PCB Type	CB-05P**MM**P-QC8001 *	CB-05P**MF**P-QC8001 *	CBD-05P**MM**P-QC8001 *	CBD-05P**MF**P-QC8001 *
Receptacle, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	Solder Type	CB-05R**MM**S-QC8001	CB-05R**MF**S-QC8001	CBD-05R**MM**S-QC8001*	CBD-05R**MF**S-QC8001*
Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm[1] | Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.2mm					
	UL1430, XL-PVC Jacket	CB-05P**MM**S-QC8A11 *	CB-05P**MM**S-QC8A11 *	CBD-05P**MM**S-QC8A11 *	CBD-05P**MM**S-QC8A11 *
Receptacle With Wires, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm[1] | Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.2mm					
	UL1430, XL-PVC Jacket	CB-05R**MM**S-QC8A11 *	CB-05R**MF**S-QC8A11 *	CBD-05R**MM**S-QC8A11 *	CBD-05R**MF**S-QC8A11 *
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M[1]					
	UL21388, PVC Jacket (For Data Group)	CB-05A**MM**M-QL8D11	CB-05A**MF**M-QL8D11	-	-
	UL21996, PVC Jacket (For Hybrid Group)	-	-	CBD-05A**MM**M-QL8F11*	CBD-05A**MF**M-QL8F11*

STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF					
	End1: **(M)** MM | End2: **(M)** MM	AB-CB05**M**L-CB**M**L-QD10	-	AB-CBD05**M**L-CBD**M**L-QF10*	-
	End1: **(M)** MM | End2: **(H)** MF	AB-CB05**M**L-CB**H**L-QD10	-	AB-CBD05**M**L-CBD**H**L-QF10*	-
	End1: **(H)** MF | End2: **(H)** MF	-	AB-CB05**H**L-CB**H**L-QD10	-	AB-CBD05**H**L-CBD**H**L-QF10*
	End1: **(M)** MM | End2: **(F)** FF	AB-CB05**M**L-CB**F**L-QD10	-	AB-CBD05**M**L-CBD**F**L-QF10*	-
	End1: **(M)** MM | End2: **(B)** FM	AB-CB05**M**L-CB**B**L-QD10	-	AB-CBD05**M**L-CBD**B**L-QF10*	-
	End1: **(H)** MF | End2: **(B)** FM	-	AB-CB05**H**L-CB**B**L-QD10	-	AB-CBD05**H**L-CBD**B**L-QF10*
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF					
	End1: **(M)** MM | End2: **(F)** FF	AB-CB05**M**L-CB**F**R-QD10	-	AB-CBD05**M**L-CBD**F**R-QF10*	-
	End1: **(M)** MM | End2: **(B)** FM	AB-CB05**M**L-CB**B**R-QD10	-	AB-CBD05**M**L-CBD**B**R-QF10*	-
	End1: **(H)** MF | End2: **(B)** FM	-	AB-CB05**H**L-CB**B**R-QD10	-	AB-CBD05**H**L-CBD**B**R-QF10*

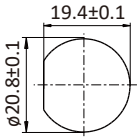
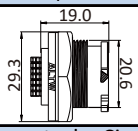
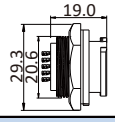
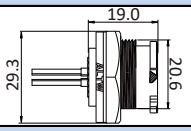
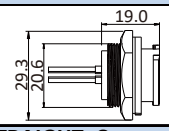
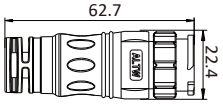
Middle C Size

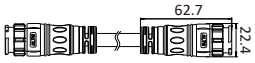
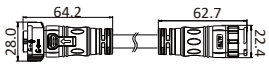
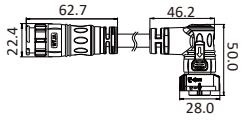
Mating Pair Page: **101~102**

No of Contacts			5	
Rated Voltage (AC/DC)			300V	
Nominal Current			10A	
Plastic / Metal			Plastic	
Pin Assignment **MM** : Male Connector Male Contact **MF** : Male Connector Female Contact			MM	MF
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 6.0 ~ 8.0mm, (Yellow Seal) 8.0 ~ 10.0mm, (Blue Seal) 10.0 ~ 12.0mm				
	Solder Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-05B**MM**G-QL8AP0 *	CB-05B**MF**G-QL8AP0 *
		6.0 ~ 8.0mm Red Seal	CB-05B**MM**G-QL8SP0 *	CB-05B**MF**G-QL8SP0 *
		8.0 ~ 10.0mm Yellow Seal	CB-05B**MM**G-QL8MP0 *	CB-05B**MF**G-QL8MP0 *
		10.0 ~ 12.0mm Blue Seal	CB-05B**MM**G-QL8LP0 *	CB-05B**MF**G-QL8LP0 *
	Screw-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-05B**MM**B-QL8AP0 *	CB-05B**MF**B-QL8AP0 *
		6.0 ~ 8.0mm Red Seal	CB-05B**MM**B-QL8SP0 *	CB-05B**MF**B-QL8SP0 *
		8.0 ~ 10.0mm Yellow Seal	CB-05B**MM**B-QL8MP0 *	CB-05B**MF**B-QL8MP0 *
		10.0 ~ 12.0mm Blue Seal	CB-05B**MM**B-QL8LP0 *	CB-05B**MF**B-QL8LP0 *
	Push-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-05B**MM**E-QL8AP0 *	CB-05B**MF**E-QL8AP0 *
		6.0 ~ 8.0mm Red Seal	CB-05B**MM**E-QL8SP0 *	CB-05B**MF**E-QL8SP0 *
		8.0 ~ 10.0mm Yellow Seal	CB-05B**MM**E-QL8MP0 *	CB-05B**MF**E-QL8MP0 *
		10.0 ~ 12.0mm Blue Seal	CB-05B**MM**E-QL8LP0 *	CB-05B**MF**E-QL8LP0 *
	Crimp Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-05B**MM**A-QL8AP0	CB-05B**MF**A-QL8AP0
		6.0 ~ 8.0mm Red Seal	CB-05B**MM**A-QL8SP0	CB-05B**MF**A-QL8SP0
		8.0 ~ 10.0mm Yellow Seal	CB-05B**MM**A-QL8MP0	CB-05B**MF**A-QL8MP0
		10.0 ~ 12.0mm Blue Seal	CB-05B**MM**A-QL8LP0	CB-05B**MF**A-QL8LP0
	Crimp Type, For Data Group, Packing: Connector Without Contacts	All Seals	CB-05B**MM**A-QL8AN0	CB-05B**MF**A-QL8AN0
		6.0 ~ 8.0mm Red Seal	CB-05B**MM**A-QL8SN0	CB-05B**MF**A-QL8SN0
		8.0 ~ 10.0mm Yellow Seal	CB-05B**MM**A-QL8MN0	CB-05B**MF**A-QL8MN0
		10.0 ~ 12.0mm Blue Seal	CB-05B**MM**A-QL8LN0	CB-05B**MF**A-QL8LN0

***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	**Panel Cut Out** Circular Flange (D Cut)  (Unit: mm)	6	6 (3+3)	
Rated Voltage (AC/DC)		300V	300V	
Nominal Current		10A	10A+5A	
Plastic / Metal		Plastic	Plastic	
Pin Assignment **MM** : Male Connector Male Contact **FF**: Female Connector Female Contact **MF**: Male Connector Female Contact **FM**: Female Connector Male Contact		MM 	MM 	MF
Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 8 ~ 10 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.2mm				
 	Solder Type	CB-06P**MM**S-QC8001	CBD-06P**MM**S-QC8001	CBD-06P**MF**S-QC8001*
	180° PCB Type	CB-06P**MM**P-QC8001 *	CBD-06P**MM**P-QC8001 *	CBD-06P**MF**P-QC8001 *
Receptacle, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm				
 	Solder Type	CB-06R**MM**S-QC8001	CBD-06R**MM**S-QC8001*	CBD-06R**MF**S-QC8001*
Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm[1] | Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.2mm				
 	UL1430, XL-PVC Jacket	CB-06P**MM**S-QC8A11 *	CBD-06P**MM**S-QC8A11 *	CBD-06P**MM**S-QC8A11 *
Receptacle With Wires, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm[1] | Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.2mm				
 	UL1430, XL-PVC Jacket	CB-06R**MM**S-QC8A11 *	CBD-06R**MM**S-QC8A11 *	CBD-06R**MF**S-QC8A11 *
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M[1]				
 	UL21388, PVC Jacket (For Data Group)	CB-06A**MM**M-QL8D11	-	-
	UL21996, PVC Jacket (For Hybrid Group)	-	CBD-06A**MM**M-QL8F11 *	CBD-06A**MF**M-QL8F11 *

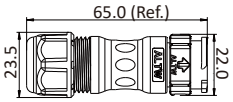
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF				
 	End1: **(M)** MM | End2: **(M)** MM	AB-CB06**M**L-CB**M**L-QD10	AB-CBD06**M**L-CBD**M**L-QF10 *	-
	End1: **(M)** MM | End2: **(H)** MF	AB-CB06**M**L-CB**H**L-QD10 *	AB-CBD06**M**L-CBD**H**L-QF10 *	-
	End1: **(H)** MF | End2: **(H)** MF	-	-	AB-CBD06**H**L-CBD**H**L-QF10 *
 	End1: **(M)** MM | End2: **(F)** FF	AB-CB06**M**L-CB**F**L-QD10	AB-CBD06**M**L-CBD**F**L-QF10	-
	End1: **(M)** MM | End2: **(B)** FM	AB-CB06**M**L-CB**B**L-QD10 *	AB-CBD06**M**L-CBD**B**L-QF10 *	-
	End1: **(H)** MF | End2: **(B)** FM	-	-	AB-CBD06**H**L-CBD**B**L-QF10 *
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF				
 	End1: **(M)** MM | End2: **(F)** FF	AB-CB06**M**L-CB**F**R-QD10	AB-CBD06**M**L-CBD**F**R-QF10 *	-
	End1: **(M)** MM | End2: **(B)** FM	AB-CB06**M**L-CB**B**R-QD10 *	AB-CBD06**M**L-CBD**B**R-QF10 *	-
	End1: **(H)** MF | End2: **(B)** FM	-	-	AB-CBD06**H**L-CBD**B**R-QF10 *

Middle C Size

Mating Pair Page: **103~104**

No of Contacts	6
Rated Voltage (AC/DC)	300V
Nominal Current	10A
Plastic / Metal	Plastic
Pin Assignment **MM** : Male Connector Male Contact	MM

Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated)
Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 6.0 ~ 8.0mm, (Yellow Seal) 8.0 ~ 10.0mm (Blue Seal) 10.0 ~ 12.0mm



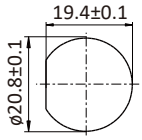
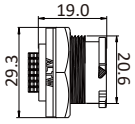
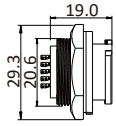
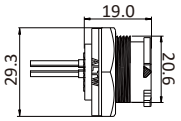
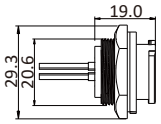
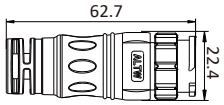
Solder Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-06B**MM**G-QL8AP0 *
	6.0 ~ 8.0mm Red Seal	CB-06B**MM**G-QL8SP0 *
	8.0 ~ 10.0mm Yellow Seal	CB-06B**MM**G-QL8MP0 *
	10.0 ~ 12.0mm Blue Seal	CB-06B**MM**G-QL8LP0 *
Screw-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-06B**MM**B-QL8AP0 *
	6.0 ~ 8.0mm Red Seal	CB-06B**MM**B-QL8SP0 *
	8.0 ~ 10.0mm Yellow Seal	CB-06B**MM**B-QL8MP0 *
	10.0 ~ 12.0mm Blue Seal	CB-06B**MM**B-QL8LP0 *
Push-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-06B**MM**E-QL8AP0 *
	6.0 ~ 8.0mm Red Seal	CB-06B**MM**E-QL8SP0 *
	8.0 ~ 10.0mm Yellow Seal	CB-06B**MM**E-QL8MP0 *
	10.0 ~ 12.0mm Blue Seal	CB-06B**MM**E-QL8LP0 *
Crimp Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-06B**MM**A-QL8AP0
	6.0 ~ 8.0mm Red Seal	CB-06B**MM**A-QL8SP0
	8.0 ~ 10.0mm Yellow Seal	CB-06B**MM**A-QL8MP0
	10.0 ~ 12.0mm Blue Seal	CB-06B**MM**A-QL8LP0
Crimp Type, For Data Group, Packing: Connector Without Contacts	All Seals	CB-06B**MM**A-QL8AN0
	6.0 ~ 8.0mm Red Seal	CB-06B**MM**A-QL8SN0
	8.0 ~ 10.0mm Yellow Seal	CB-06B**MM**A-QL8MN0
	10.0 ~ 12.0mm Blue Seal	CB-06B**MM**A-QL8LN0

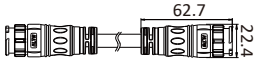
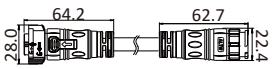
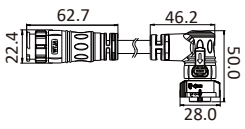
***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

Middle C Size

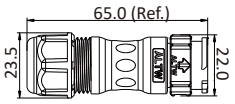
Mating Pair Page: **105~107**

No of Contacts	**Panel Cut Out**	7		7 (3+4)	
Rated Voltage (AC/DC)	Circular Flange (D Cut)	300V		300V	
Nominal Current		5A		10A+5A	
Plastic / Metal	(Unit: mm)	Plastic		Plastic	
Pin Assignment		MM	MF	MM	MF
MM : Male Connector Male Contact **FF** : Female Connector Female Contact **MF** : Male Connector Female Contact **FM** : Female Connector Male Contact					
Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 8 ~ 10 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.2mm					
	Solder Type	CD-07P**MM**S-QC8001	CD-07P**MF**S-QC8001	CBD-07P**MM**S-QC8001*	CBD-07P**MF**S-QC8001*
	180° PCB Type	CD-07P**MM**P-QC8001 *	CD-07P**MF**P-QC8001 *	CBD-07P**MM**P-QC8001 *	CBD-07P**MF**P-QC8001 *
Receptacle, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	Solder Type	CD-07R**MM**S-QC8001	CD-07R**MF**S-QC8001	CBD-07R**MM**S-QC8001*	CBD-07R**MF**S-QC8001*
Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm[1] | Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.2mm					
	UL1430, XL-PVC Jacket	CD-07P**MM**S-QC8A11 *	CD-07P**MF**S-QC8A11 *	CBD-07P**MM**S-QC8A11 *	CBD-07P**MF**S-QC8A11 *
Receptacle With Wires, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm[1] | Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.2mm					
	UL1430, XL-PVC Jacket	CD-07R**MM**S-QC8A11 *	CD-07R**MF**S-QC8A11 *	CBD-07R**MM**S-QC8A11 *	CBD-07R**MF**S-QC8A11 *
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M[1]					
	UL21388, PVC Jacket (For Data Group)	CD-07A**MM**M-QL8D11	CD-07A**MF**M-QL8D11	-	-
	UL21996, PVC Jacket (For Hybrid Group)	-	-	CBD-07A**MM**M-QL8F11 *	CBD-07A**MF**M-QL8F11 *

STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF					
	End1: **(M)** MM | End2: **(M)** MM	AB-CD07**M**L-CD**M**L-QD10	-	AB-CBD07**M**L-CBD**M**L-QF10 *	-
	End1: **(M)** MM | End2: **(H)** MF	AB-CD07**M**L-CD**H**L-QD10	-	AB-CBD07**M**L-CBD**H**L-QF10 *	-
	End1: **(H)** MF | End2: **(H)** MF	-	AB-CD07**H**L-CD**H**L-QD10	-	AB-CBD07**H**L-CBD**H**L-QF10 *
	End1: **(M)** MM | End2: **(F)** FF	AB-CD07**M**L-CD**F**L-QD10	-	AB-CBD07**M**L-CBD**F**L-QF10 *	-
	End1: **(M)** MM | End2: **(B)** FM	AB-CD07**M**L-CD**B**L-QD10	-	AB-CBD07**M**L-CBD**B**L-QF10 *	-
	End1: **(H)** MF | End2: **(B)** FM	-	AB-CD07**H**L-CD**B**L-QD10	-	AB-CBD07**H**L-CBD**B**L-QF10 *
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF					
	End1: **(M)** MM | End2: **(F)** FF	AB-CD07**M**L-CD**F**R-QD10	-	AB-CBD07**M**L-CBD**F**R-QD10 *	-
	End1: **(M)** MM | End2: **(B)** FM	AB-CD07**M**L-CD**B**R-QD10	-	AB-CBD07**M**L-CBD**B**R-QD10 *	-
	End1: **(H)** MF | End2: **(B)** FM	-	AB-CD07**H**L-CD**B**R-QD10	-	AB-CBD07**H**L-CBD**B**R-QD10 *

Middle C Size

Mating Pair Page: **105~107**

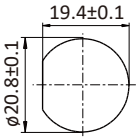
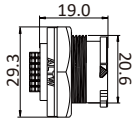
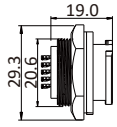
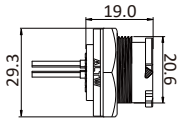
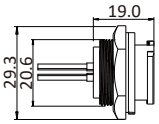
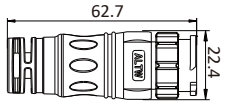
No of Contacts			7	
Rated Voltage (AC/DC)			300V	
Nominal Current			5A	
Plastic / Metal			Plastic	
Pin Assignment **MM** : Male Connector Male Contact **MF** : Male Connector Female Contact			MM	MF
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 6.0 ~ 8.0mm, (Yellow Seal) 8.0 ~ 10.0mm, (Blue Seal) 10.0 ~ 12.0mm				
	Solder Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-07B**MM**G-QL8AP0 *	CD-07B**MF**G-QL8AP0 *
		6.0 ~ 8.0mm Red Seal	CD-07B**MM**G-QL8SP0 *	CD-07B**MF**G-QL8SP0 *
		8.0 ~ 10.0mm Yellow Seal	CD-07B**MM**G-QL8MP0 *	CD-07B**MF**G-QL8MP0 *
		10.0 ~ 12.0mm Blue Seal	CD-07B**MM**G-QL8LP0 *	CD-07B**MF**G-QL8LP0 *
	Screw-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-07B**MM**B-QL8AP0 *	CD-07B**MF**B-QL8AP0 *
		6.0 ~ 8.0mm Red Seal	CD-07B**MM**B-QL8SP0 *	CD-07B**MF**B-QL8SP0 *
		8.0 ~ 10.0mm Yellow Seal	CD-07B**MM**B-QL8MP0 *	CD-07B**MF**B-QL8MP0 *
		10.0 ~ 12.0mm Blue Seal	CD-07B**MM**B-QL8LP0 *	CD-07B**MF**B-QL8LP0 *
	Push-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-07B**MM**E-QL8AP0 *	CD-07B**MF**E-QL8AP0 *
		6.0 ~ 8.0mm Red Seal	CD-07B**MM**E-QL8SP0 *	CD-07B**MF**E-QL8SP0 *
		8.0 ~ 10.0mm Yellow Seal	CD-07B**MM**E-QL8MP0 *	CD-07B**MF**E-QL8MP0 *
		10.0 ~ 12.0mm Blue Seal	CD-07B**MM**E-QL8LP0 *	CD-07B**MF**E-QL8LP0 *
	Crimp Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-07B**MM**A-QL8AP0*	CD-07B**MF**A-QL8AP0
		6.0 ~ 8.0mm Red Seal	CD-07B**MM**A-QL8SP0*	CD-07B**MF**A-QL8SP0
		8.0 ~ 10.0mm Yellow Seal	CD-07B**MM**A-QL8MP0*	CD-07B**MF**A-QL8MP0
		10.0 ~ 12.0mm Blue Seal	CD-07B**MM**A-QL8LP0*	CD-07B**MF**A-QL8LP0
	Crimp Type, For Data Group, Packing: Connector Without Contacts	All Seals	CD-07B**MM**A-QL8AN0*	CD-07B**MF**A-QL8AN0
		6.0 ~ 8.0mm Red Seal	CD-07B**MM**A-QL8SN0*	CD-07B**MF**A-QL8SN0
		8.0 ~ 10.0mm Yellow Seal	CD-07B**MM**A-QL8MN0*	CD-07B**MF**A-QL8MN0
		10.0 ~ 12.0mm Blue Seal	CD-07B**MM**A-QL8LN0*	CD-07B**MF**A-QL8LN0

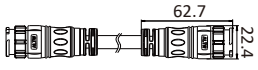
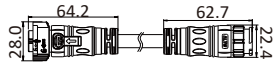
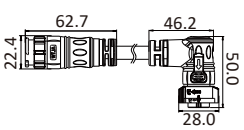
***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

Middle C Size

Mating Pair Page: **108~110**

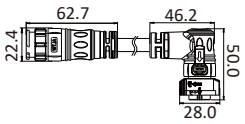
No of Contacts	**Panel Cut Out** Circular Flange (D Cut) 	8		8 (3+5)	
Rated Voltage (AC/DC)		300V		300V	
Nominal Current		5A		10A+5A	
Plastic / Metal		Plastic		Plastic	
Pin Assignment **MM** : Male Connector Male Contact **FF**: Female Connector Female Contact **MF**: Male Connector Female Contact **FM**: Female Connector Male Contact		MM	MF	MM	MF
Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 8 ~ 10 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.2mm					
	Solder Type	CD-08P**MM**S-QC8001	CD-08P**MF**S-QC8001	CBD-08P**MM**S-QC8001	CBD-08P**MF**S-QC8001
	180° PCB Type	CD-08P**MM**P-QC8001 *	CD-08P**MF**P-QC8001 *	CBD-08P**MM**P-QC8001 *	CBD-08P**MF**P-QC8001 *
Receptacle, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	Solder Type	CD-08R**MM**S-QC8001	CD-08R**MF**S-QC8001	CBD-08R**MM**S-QC8001	CBD-08RMF S-QC8001
Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm[1] | Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.2mm					
	UL1430, XL-PVC Jacket	CD-08P**MM**S-QC8A11 *	CD-08P**MF**S-QC8A11 *	CBD-08P**MM**S-QC8A11 *	CBD-08P**MF**S-QC8A11 *
Receptacle With Wires, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm[1] | Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.2mm					
	UL1430, XL-PVC Jacket	CD-08R**MM**S-QC8A11 *	CD-08R**MF**S-QC8A11 *	CBD-08R**MM**S-QC8A11 *	CBD-08R**MF**S-QC8A11 *
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M[1]					
	UL21388, PVC Jacket (For Data Group)	CD-08A**MM**M-QL8D11	CD-08A**MF**M-QL8D11	-	-
	UL21996, PVC Jacket (For Hybrid Group)	-	-	CBD-08A**MM**M-QL8F11	CBD-08A**MF**M-QL8F11

STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF					
	End1: **(M)** MM | End2: **(M)** MM	AB-CD08**M**L-CD**M**L-QD10	-	AB-CBD08**M**L-CBD**M**L-QF10	-
	End1: **(M)** MM | End2: **(H)** MF	AB-CD08**M**L-CD**H**L-QD10	-	AB-CBD08**M**L-CBD**H**L-QF10	-
	End1: **(H)** MF | End2: **(H)** MF	-	AB-CD08**H**L-CD**H**L-QD10	-	AB-CBD08**H**L-CBD**H**L-QF10
	End1: **(M)** MM | End2: **(F)** FF	AB-CD08**M**L-CD**F**L-QD10	-	AB-CBD08**M**L-CBD**F**L-QF10	-
	End1: **(M)** MM | End2: **(B)** FM	AB-CD08**M**L-CD**B**L-QD10	-	AB-CBD08**M**L-CBD**B**L-QF10	-
	End1: **(H)** MF | End2: **(B)** FM	-	AB-CD08**H**L-CD**B**L-QD10	-	AB-CBD08**H**L-CBD**B**L-QF10
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated), UL21388, PVC Jacket (For Data Group) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF					
	End1: **(M)** MM | End2: **(F)** FF	AB-CD08**M**L-CD**F**R-QD10	-	AB-CBD08**M**L-CBD**F**R-QD10 *	-
	End1: **(M)** MM | End2: **(B)** FM	AB-CD08**M**L-CD**B**R-QD10	-	AB-CBD08 **M**L-CBD**B**R-QD10 *	-
	End1: **(H)** MF | End2: **(B)** FM	-	AB-CD08**H**L-CD**B**R-QD10	-	AB-CBD08**H**L-CBD**B**R-QD10 *

Middle C Size

Mating Pair Page: **108~110**

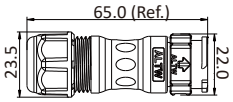
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated), UL21996, PVC Jacket (For Hybrid Group)
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF



End1: **(M)** MM | End2: **(F)** FF	AB-CD08**M**L-CD**F**R-QF⑩*	-	AB-CBD08**M**L-CBD**F**R-QF⑩	-
End1: **(M)** MM | End2: **(B)** FM	AB-CD08**M**L-CD**B**R-QF⑩*	-	AB-CBD08 **M**L-CBD**B**R-QF⑩	-
End1: **(H)** MF | End2: **(B)** FM	-	AB-CD08**H**L-CD**B**R-QF⑩*	-	AB-CBD08**H**L-CBD**B**R-QF⑩

No of Contacts	8	
Rated Voltage (AC/DC)	300V	
Nominal Current	5A	
Plastic / Metal	Plastic	
Pin Assignment **MM** : Male Connector Male Contact **MF** : Male Connector Female Contact	MM	MF

Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated)
Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 6.0 ~ 8.0mm, (Yellow Seal) 8.0 ~ 10.0mm, (Blue Seal) 10.0 ~ 12.0mm

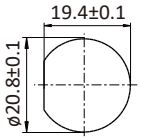
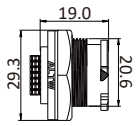
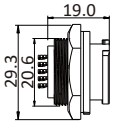
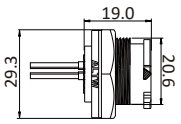
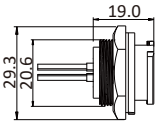
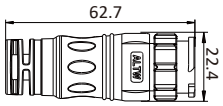


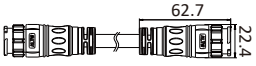
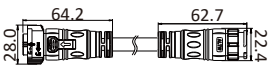
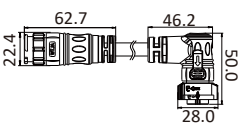
Solder Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-08B**MM**G-QL8AP0*	CD-08B**MF**G-QL8AP0*
	6.0 ~ 8.0mm Red Seal	CD-08B**MM**G-QL8SP0*	CD-08B**MF**G-QL8SP0*
	8.0 ~ 10.0mm Yellow Seal	CD-08B**MM**G-QL8MP0*	CD-08B**MF**G-QL8MP0*
	10.0 ~ 12.0mm Blue Seal	CD-08B**MM**G-QL8LP0*	CD-08B**MF**G-QL8LP0*
Screw-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-08B**MM**B-QL8AP0*	CD-08B**MF**B-QL8AP0*
	6.0 ~ 8.0mm Red Seal	CD-08B**MM**B-QL8SP0*	CD-08B**MF**B-QL8SP0*
	8.0 ~ 10.0mm Yellow Seal	CD-08B**MM**B-QL8MP0*	CD-08B**MF**B-QL8MP0*
	10.0 ~ 12.0mm Blue Seal	CD-08B**MM**B-QL8LP0*	CD-08B**MF**B-QL8LP0*
Push-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-08B**MM**E-QL8AP0*	CD-08B**MF**E-QL8AP0*
	6.0 ~ 8.0mm Red Seal	CD-08B**MM**E-QL8SP0*	CD-08B**MF**E-QL8SP0*
	8.0 ~ 10.0mm Yellow Seal	CD-08B**MM**E-QL8MP0*	CD-08B**MF**E-QL8MP0*
	10.0 ~ 12.0mm Blue Seal	CD-08B**MM**E-QL8LP0*	CD-08B**MF**E-QL8LP0*
Crimp Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-08B**MM**A-QL8AP0	CD-08B**MF**A-QL8AP0
	6.0 ~ 8.0mm Red Seal	CD-08B**MM**A-QL8SP0	CD-08B**MF**A-QL8SP0
	8.0 ~ 10.0mm Yellow Seal	CD-08B**MM**A-QL8MP0	CD-08B**MF**A-QL8MP0
	10.0 ~ 12.0mm Blue Seal	CD-08B**MM**A-QL8LP0	CD-08B**MF**A-QL8LP0
Crimp Type, For Data Group, Packing: Connector Without Contacts	All Seals	CD-08B**MM**A-QL8AN0	CD-08B**MF**A-QL8AN0
	6.0 ~ 8.0mm Red Seal	CD-08B**MM**A-QL8SN0	CD-08B**MF**A-QL8SN0
	8.0 ~ 10.0mm Yellow Seal	CD-08B**MM**A-QL8MN0	CD-08B**MF**A-QL8MN0
	10.0 ~ 12.0mm Blue Seal	CD-08B**MM**A-QL8LN0	CD-08B**MF**A-QL8LN0

***Upon Request**
[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

Middle C Size

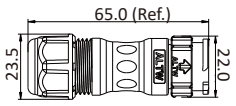
Mating Pair Page: **111~113**

No of Contacts	**Panel Cut Out** Circular Flange (D Cut) 	9		10	12
Rated Voltage (AC/DC)		300V		300V	300V
Nominal Current		5A		5A	5A
Plastic / Metal		Plastic		Plastic	Plastic
Pin Assignment **MM** : Male Connector Male Contact **FF**: Female Connector Female Contact **MF**: Male Connector Female Contact **FM**: Female Connector Male Contact		MM	MF	MM	MM
Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 8 ~ 10 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.2mm					
	Solder Type	CD-09P**MM**S-QC8001	CD-09P**MF**S-QC8001	CD-10P**MM**S-QC8001	CD-12P**MM**S-QC8001
	180° PCB Type	CD-09P**MM**P-QC8001 *	CD-09P**MF**P-QC8001 *	CD-10P**MM**P-QC8001 *	CD-12P**MM**P-QC8001
Receptacle, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	Solder Type	CD-09R**MM**S-QC8001	CD-09R**MF**S-QC8001	CD-10R**MM**S-QC8001	CD-12R**MM**S-QC8001
Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm[1] | Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.2mm					
	UL1430, XL-PVC Jacket	CD-09P**MM**S-QC8A11 *	CD-09P**MF**S-QC8A11 *	CD-10P**MM**S-QC8A11 *	CD-12P**MM**S-QC8A11 *
Receptacle With Wires, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm[1] | Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.2mm					
	UL1430, XL-PVC Jacket	CD-09R**MM**S-QC8A11 *	CD-09R**MF**S-QC8A11 *	CD-10R**MM**S-QC8A11 *	CD-12R**MM**S-QC8A11 *
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M[1]					
	UL21388, PVC Jacket (For Data Group)	CD-09A**MM**M-QL8D11	CD-09A**MF**M-QL8D11	CD-10A**MM**M-QL8D11	CD-12A**MM**M-QL8D11

STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF					
	End1: **(M)** MM | End2: **(M)** MM	AB-CD09**M**L-CD**M**L-QD10	-	AB-CD10**M**L-CD**M**L-QD10	AB-CD12**M**L-CD**M**L-QD10
	End1: **(M)** MM | End2: **(H)** MF	AB-CD09**M**L-CD**H**L-QD10	-	AB-CD10**M**L-CD**H**L-QD10 *	AB-CD12**M**L-CD**H**L-QD10 *
	End1: **(H)** MF | End2: **(H)** MF	-	AB-CD09**H**L-CD**H**L-QD10	-	-
	End1: **(M)** MM | End2: **(F)** FF	AB-CD09**M**L-CD**F**L-QD10	-	AB-CD10**M**L-CD**F**L-QD10	AB-CD12**M**L-CD**F**L-QD10
	End1: **(M)** MM | End2: **(B)** FM	AB-CD09**M**L-CD**B**L-QD10	-	AB-CD10**M**L-CD**B**L-QD10 *	AB-CD12**M**L-CD**B**L-QD10 *
	End1: **(H)** MF | End2: **(B)** FM	-	AB-CD09**H**L-CD**B**L-QD10	-	-
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF					
	End1: **(M)** MM | End2: **(F)** FF	AB-CD09**M**L-CD**F**R-QD10	-	AB-CD10**M**L-CD**F**R-QD10	AB-CD12**M**L-CD**F**R-QD10
	End1: **(M)** MM | End2: **(B)** FM	AB-CD09**M**L-CD**B**R-QD10	-	AB-CD10**M**L-CD**B**R-QD10 *	AB-CD12**M**L-CD**B**R-QD10 *
	End1: **(H)** MF | End2: **(B)** FM	-	AB-CD09**H**L-CD**B**R-QD10	-	-

Middle C Size

Mating Pair Page: **111~113**

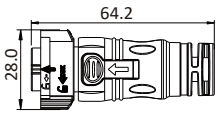
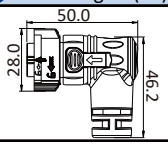
No of Contacts			9		10	12
Rated Voltage (AC/DC)			300V		300V	300V
Nominal Current			5A		5A	5A
Plastic / Metal			Plastic		Plastic	Plastic
Pin Assignment **MM**: Male Connector Male Contact **MF**: Male Connector Female Contact			MM	MF	MM	MM
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 6.0 ~ 8.0mm, (Yellow Seal) 8.0 ~ 10.0mm, (Blue Seal) 10.0 ~ 12.0mm						
	Solder Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-09B**MM**G-QL8AP0*	CD-09B**MF**G-QL8AP0*	CD-10B**MM**G-QL8AP0*	CD-12B**MM**G-QL8AP0*
		6.0 ~ 8.0mm Red Seal	CD-09B**MM**G-QL8SP0*	CD-09B**MF**G-QL8SP0*	CD-10B**MM**G-QL8SP0*	CD-12B**MM**G-QL8SP0*
		8.0 ~ 10.0mm Yellow Seal	CD-09B**MM**G-QL8MP0*	CD-09B**MF**G-QL8MP0*	CD-10B**MM**G-QL8MP0*	CD-12B**MM**G-QL8MP0*
		10.0 ~ 12.0mm Blue Seal	CD-09B**MM**G-QL8LP0*	CD-09B**MF**G-QL8LP0*	CD-10B**MM**G-QL8LP0*	CD-12B**MM**G-QL8LP0*
	Screw-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-09B**MM**B-QL8AP0*	CD-09B**MF**B-QL8AP0*	CD-10B**MM**B-QL8AP0*	CD-12B**MM**B-QL8AP0*
		6.0 ~ 8.0mm Red Seal	CD-09B**MM**B-QL8SP0*	CD-09B**MF**B-QL8SP0*	CD-10B**MM**B-QL8SP0*	CD-12B**MM**B-QL8SP0*
		8.0 ~ 10.0mm Yellow Seal	CD-09B**MM**B-QL8MP0*	CD-09B**MF**B-QL8MP0*	CD-10B**MM**B-QL8MP0*	CD-12B**MM**B-QL8MP0*
		10.0 ~ 12.0mm Blue Seal	CD-09B**MM**B-QL8LP0*	CD-09B**MF**B-QL8LP0*	CD-10B**MM**B-QL8LP0*	CD-12B**MM**B-QL8LP0*
	Push-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-09B**MM**E-QL8AP0*	CD-09B**MF**E-QL8AP0*	CD-10B**MM**E-QL8AP0*	CD-12B**MM**E-QL8AP0*
		6.0 ~ 8.0mm Red Seal	CD-09B**MM**E-QL8SP0*	CD-09B**MF**E-QL8SP0*	CD-10B**MM**E-QL8SP0*	CD-12B**MM**E-QL8SP0*
		8.0 ~ 10.0mm Yellow Seal	CD-09B**MM**E-QL8MP0*	CD-09B**MF**E-QL8MP0*	CD-10B**MM**E-QL8MP0*	CD-12B**MM**E-QL8MP0*
		10.0 ~ 12.0mm Blue Seal	CD-09B**MM**E-QL8LP0*	CD-09B**MF**E-QL8LP0*	CD-10B**MM**E-QL8LP0*	CD-12B**MM**E-QL8LP0*
	Crimp Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-09B**MM**A-QL8AP0	CD-09B**MF**A-QL8AP0	CD-10B**MM**A-QL8AP0	CD-12B**MM**A-QL8AP0
		6.0 ~ 8.0mm Red Seal	CD-09B**MM**A-QL8SP0	CD-09B**MF**A-QL8SP0	CD-10B**MM**A-QL8SP0	CD-12B**MM**A-QL8SP0
		8.0 ~ 10.0mm Yellow Seal	CD-09B**MM**A-QL8MP0	CD-09B**MF**A-QL8MP0	CD-10B**MM**A-QL8MP0	CD-12B**MM**A-QL8MP0
		10.0 ~ 12.0mm Blue Seal	CD-09B**MM**A-QL8LP0	CD-09B**MF**A-QL8LP0	CD-10B**MM**A-QL8LP0	CD-12B**MM**A-QL8LP0
	Crimp Type, For Data Group, Packing: Connector Without Contacts	All Seals	CD-09B**MM**A-QL8AN0	CD-09B**MF**A-QL8AN0	CD-10B**MM**A-QL8AN0	CD-12B**MM**A-QL8AN0
		6.0 ~ 8.0mm Red Seal	CD-09B**MM**A-QL8SN0	CD-09B**MF**A-QL8SN0	CD-10B**MM**A-QL8SN0	CD-12B**MM**A-QL8SN0
		8.0 ~ 10.0mm Yellow Seal	CD-09B**MM**A-QL8MN0	CD-09B**MF**A-QL8MN0	CD-10B**MM**A-QL8MN0	CD-12B**MM**A-QL8MN0
		10.0 ~ 12.0mm Blue Seal	CD-09B**MM**A-QL8LN0	CD-09B**MF**A-QL8LN0	CD-10B**MM**A-QL8LN0	CD-12B**MM**A-QL8LN0

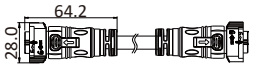
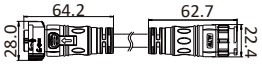
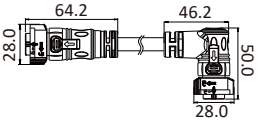
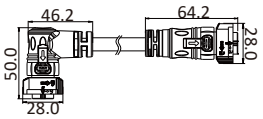
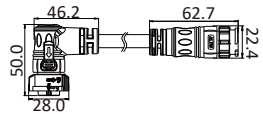
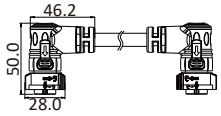
***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

Middle C Size

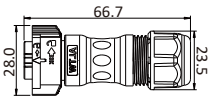
Mating Pair Page: **83~84**

No of Contacts		2		3	
Rated Voltage (AC/DC)		30 ~ 300V		30 ~ 300V	
Nominal Current		20A		20A	
Plastic / Metal		Plastic		Plastic	
Pin Assignment **MM** : Male Connector Male Contact **FF** : Female Connector Female Contact **MF** : Male Connector Female Contact **FM** : Female Connector Male Contact		FF	FM	FF	FM
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]					
	UL SJTW, PVC Jacket(For Power Group)	CC-02A**FF**M-QL8E 11	CC-02A**FM**M-QL8E 11	CC-03A**FF**M-QL8E 11	CC-03A**FM**M-QL8E 11
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]					
	UL SJTW, PVC Jacket (For Power Group)	CC-02A**FF**M-QR8E 11	CC-02A**FM**M-QR8E 11	CC-03A**FF**M-QR8E 11	CC-03A**FM**M-QR8E 11

STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF					
	End1: **(F)** FF | End2: **(F)** FF	AB-CC02**F**L-CC**F**L-QE 10	-	AB-CC03**F**L-CC**F**L-QE 10	-
	End1: **(F)** FF | End2: **(B)** FM	AB-CC02**F**L-CC**B**L-QE 10	-	AB-CC03 **F**L-CC**B**L-QE 10	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-CC02**B**L-CC**B**L-QE 10	-	AB-CC03**B**L-CC**B**L-QE 10
	End1: **(F)** FF | End2: **(H)** MF	AB-CC02**F**L-CC**H**L-QE 10	-	AB-CC03**F**L-CC**H**L-QE 10	-
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM					
	End1: **(F)** FF | End2: **(F)** FF	AB-CC02**F**L-CC**F**R-QE 10	-	AB-CC03**F**L-CC**F**R-QE 10	-
	End1: **(F)** FF | End2: **(B)** FM	AB-CC02**F**L-CC**B**R-QE 10	-	AB-CC03**F**L-CC**B**R-QE 10	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-CC02**B**L-CC**B**R-QE 10	-	AB-CC03**B**L-CC**B**R-QE 10
RIGHT ANGLE-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF					
	End1: **(F)** FF | End2: **(B)** FM	AB-CC02**FR**-CC**B**L-QE 10	-	AB-CC03**FR**-CC**B**L-QE 10	-
	End1: **(F)** FF | End2: **(H)** MF	AB-CC02**FR**-CC**H**L-QE 10	-	AB-CC03**FR**-CC**H**L-QE 10	-
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM					
	End1: **(F)** FF | End2: **(F)** FF	AB-CC02**FR**-CC**F**R-QE 10	-	AB-CC03**FR**-CC**F**R-QE 10	-
	End1: **(F)** FF | End2: **(B)** FM	AB-CC02**FR**-CC**B**R-QE 10	-	AB-CC03**FR**-CC**B**R-QE 10	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-CC02**B**R-CC**B**R-QE 10	-	AB-CC03**B**R-CC**B**R-QE 10

Middle C Size

Mating Pair Page: **83~84**

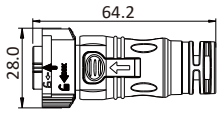
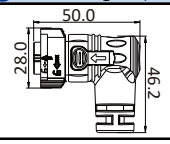
No of Contacts			2			3			
Rated Voltage (AC/DC)			30 ~ 300V		30 ~ 600V	30 ~ 300V		30 ~ 600V	
Nominal Current			20A		10A	20A		10A	
Plastic / Metal			Plastic		Plastic	Plastic		Plastic	
Pin Assignment **MM**: Male Connector Male Contact **FF**: Female Connector Female Contact **MF**: Male Connector Female Contact **FM**: Female Connector Male Contact			FF	FM	FF	FF	FM	FF	FM
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 6.0 ~ 8.0mm, (Yellow Seal) 8.0 ~ 10.0mm (Blue Seal) 10.0 ~ 12.0mm									
	Solder Type, For Power Group, Packing: Connector With Contacts	All Seals	CC-02B**FFG**-QL8APP*	CC-02B**FMG**-QL8APP*	-	CC-03B**FFG**-QL8APP*	CC-03B**FMG**-QL8APP*	-	-
		6.0 ~ 8.0mm Red Seal	CC-02B**FFG**-QL8SPP*	CC-02B**FMG**-QL8SPP*	-	CC-03B**FFG**-QL8SPP*	CC-03B**FMG**-QL8SPP*	-	-
		8.0 ~ 10.0mm Yellow Seal	CC-02B**FFG**-QL8MPP*	CC-02B**FMG**-QL8MPP*	-	CC-03B**FFG**-QL8MPP*	CC-03B**FMG**-QL8MPP*	-	-
		10.0 ~ 12.0mm Blue Seal	CC-02B**FFG**-QL8LPP*	CC-02B**FMG**-QL8LPP*	-	CC-03B**FFG**-QL8LPP*	CC-03B**FMG**-QL8LPP*	-	-
	Screw-in Type, For Power Group, Packing: Connector With Contacts	All Seals	CC-02B**FFB**-QL8APP	CC-02B**FMB**-QL8APP	-	CC-03B**FFB**-QL8APP	CC-03B**FMB**-QL8APP	CC-03B**FFB**-QL8APA	CC-03B**FMB**-QL8APA
		6.0 ~ 8.0mm Red Seal	CC-02B**FFB**-QL8SPP	CC-02B**FMB**-QL8SPP	-	CC-03B**FFB**-QL8SPP	CC-03B**FMB**-QL8SPP	-	-
		8.0 ~ 10.0mm Yellow Seal	CC-02B**FFB**-QL8MPP	CC-02B**FMB**-QL8MPP	CC-02B**FFB**-QL8MPA	CC-03B**FFB**-QL8MPP	CC-03B**FMB**-QL8MPP	CC-03B**FFB**-QL8MPA	-
		10.0 ~ 12.0mm Blue Seal	CC-02B**FFB**-QL8LPP	CC-02B**FMB**-QL8LPP	-	CC-03B**FFB**-QL8LPP	CC-03B**FMB**-QL8LPP	-	-
	Push-in Type, For Power Group, Packing: Connector With Contacts	All Seals	CC-02B**FFE**-QL8APP*	CC-02B**FME**-QL8APP*	-	CC-03B**FFE**-QL8APP*	CC-03B**FME**-QL8APP*	-	-
		6.0 ~ 8.0mm Red Seal	CC-02B**FFE**-QL8SPP*	CC-02B**FME**-QL8SPP*	-	CC-03B**FFE**-QL8SPP*	CC-03B**FME**-QL8SPP*	-	-
		8.0 ~ 10.0mm Yellow Seal	CC-02B**FFE**-QL8MPP*	CC-02B**FME**-QL8MPP*	-	CC-03B**FFE**-QL8MPP*	CC-03B**FME**-QL8MPP*	-	-
		10.0 ~ 12.0mm Blue Seal	CC-02B**FFE**-QL8LPP*	CC-02B**FME**-QL8LPP*	-	CC-03B**FFE**-QL8LPP*	CC-03B**FME**-QL8LPP*	-	-
	Crimp Type, For Power Group, Packing: Connector With Contacts	All Seals	CC-02B**FFA**-QL8APP	CC-02B**FMA**-QL8APP	-	CC-03B**FFA**-QL8APP	CC-03B**FMA**-QL8APP	-	-
		6.0 ~ 8.0mm Red Seal	CC-02B**FFA**-QL8SPP	CC-02B**FMA**-QL8SPP	-	CC-03B**FFA**-QL8SPP	CC-03B**FMA**-QL8SPP	-	-
		8.0 ~ 10.0mm Yellow Seal	CC-02B**FFA**-QL8MPP	CC-02B**FMA**-QL8MPP	-	CC-03B**FFA**-QL8MPP	CC-03B**FMA**-QL8MPP	-	-
		10.0 ~ 12.0mm Blue Seal	CC-02B**FFA**-QL8LPP	CC-02B**FMA**-QL8LPP	-	CC-03B**FFA**-QL8LPP	CC-03B**FMA**-QL8LPP	-	-
	Crimp Type, For Power Group, Packing: Connector Without Contacts	All Seals	CC-02B**FFA**-QL8ANP	CC-02B**FMA**-QL8ANP	-	CC-03B**FFA**-QL8ANP	CC-03B**FMA**-QL8ANP	-	-
		6.0 ~ 8.0mm Red Seal	CC-02B**FFA**-QL8SNP	CC-02B**FMA**-QL8SNP	-	CC-03B**FFA**-QL8SNP	CC-03B**FMA**-QL8SNP	-	-
		8.0 ~ 10.0mm Yellow Seal	CC-02B**FFA**-QL8MNP	CC-02B**FMA**-QL8MNP	-	CC-03B**FFA**-QL8MNP	CC-03B**FMA**-QL8MNP	-	-
		10.0 ~ 12.0mm Blue Seal	CC-02B**FFA**-QL8LNP	CC-02B**FMA**-QL8LNP	-	CC-03B**FFA**-QL8LNP	CC-03B**FMA**-QL8LNP	-	-

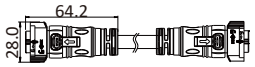
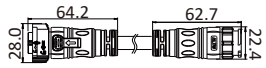
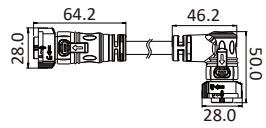
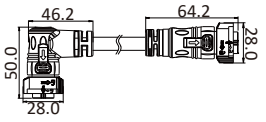
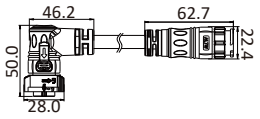
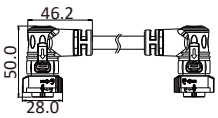
***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

Middle C Size

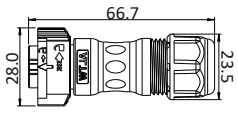
Mating Pair Page: **85~86**

No of Contacts		4		4 (3+1)	
Rated Voltage (AC/DC)		30 ~ 300V		30 ~ 300V	
Nominal Current		10A		10A+5A	
Plastic / Metal		Plastic		Plastic	
Pin Assignment **MM** : Male Connector Male Contact **FF** : Female Connector Female Contact **MF** : Male Connector Female Contact **FM** : Female Connector Male Contact		FF	FM	FF	FM
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]					
	UL21388, PVC Jacket (For Data Group)	CB-04A**FF**M-QL8D 11	CB-04A**FM**M-QL8D 11	-	-
	UL21996, PVC Jacket (For Hybrid Group)	-	-	CBD-04A**FF**M-QL8F 11 *	CBD-04A**FM**M-QL8F 11 *
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]					
	UL21388, PVC Jacket (For Data Group)	CB-04A**FF**M-QR8D 11	CB-04A**FM**M-QR8D 11	-	-
	UL21996, PVC Jacket (For Hybrid Group)	-	-	CBD-04A**FF**M-QR8F 11 *	CBD-04A**FM**M-QR8F 11 *

STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF					
	End1: **(F)** FF | End2: **(F)** FF	AB-CB04**F**L-CB**F**L-QD 10	-	AB-CBD04**F**L-CBD**F**L-QF 10 *	-
	End1: **(F)** FF | End2: **(B)** FM	AB-CB04**F**L-CB**B**L-QD 10	-	AB-CBD04**F**L-CBD**B**L-QF 10 *	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-CB04**B**L-CB**B**L-QD 10	-	AB-CBD04**B**L-CBD**B**L-QF 10 *
	End1: **(F)** FF | End2: **(H)** MF	AB-CB04**F**L-CB**H**L-QD 10	-	AB-CBD04**F**L-CBD**H**L-QF 10 *	-
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM					
	End1: **(F)** FF | End2: **(F)** FF	AB-CB04**F**L-CB**F**R-QD 10	-	AB-CBD04**F**L-CBD**F**R-QF 10 *	-
	End1: **(F)** FF | End2: **(B)** FM	AB-CB04**F**L-CB**B**R-QD 10	-	AB-CBD04**F**L-CBD**B**R-QF 10 *	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-CB04**B**L-CB**B**R-QD 10	-	AB-CBD04**B**L-CBD**B**R-QF 10 *
RIGHT ANGLE-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF					
	End1: **(F)** FF | End2: **(B)** FM	AB-CB04**F**R-CB**B**L-QD 10	-	AB-CBD04**F**R-CBD**B**L-QD 10 *	-
	End1: **(F)** FF | End2: **(H)** MF	AB-CB04**F**R-CB**H**L-QD 10	-	AB-CBD04**F**R-CBD**H**L-QD 10 *	-
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM					
	End1: **(F)** FF | End2: **(F)** FF	AB-CB04**F**R-CB**F**R-QD 10	-	AB-CBD04**F**R-CBD**F**R-QF 10 *	-
	End1: **(F)** FF | End2: **(B)** FM	AB-CB04**F**R-CB**B**R-QD 10	-	AB-CBD04**F**R-CBD**B**R-QF 10 *	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-CB04**B**R-CB**B**R-QD 10	-	AB-CBD04**B**R-BBD**B**R-QF 10 *

Middle C Size

Mating Pair Page: **85~86**

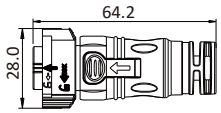
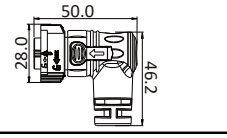
No of Contacts			4	
Rated Voltage (AC/DC)			30 ~ 300V	
Nominal Current			10A	
Plastic / Metal			Plastic	
Pin Assignment **FF**: Female Connector Female Contact **FM**: Female Connector Male Contact			FF	FM
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 6.0 ~ 8.0mm, (Yellow Seal) 8.0 ~ 10.0mm, (Blue Seal) 10.0 ~ 12.0mm				
	Solder Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-04B**FF**G-QL8AP0*	CB-04B**FM**G-QL8AP0*
		6.0 ~ 8.0mm Red Seal	CB-04B**FF**G-QL8SP0*	CB-04B**FM**G-QL8SP0*
		8.0 ~ 10.0mm Yellow Seal	CB-04B**FF**G-QL8MP0*	CB-04B**FM**G-QL8MP0*
		10.0 ~ 12.0mm Blue Seal	CB-04B**FF**G-QL8LP0*	CB-04B**FM**G-QL8LP0*
	Screw-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-04B**FF**B-QL8AP0*	CB-04B**FM**B-QL8AP0*
		6.0 ~ 8.0mm Red Seal	CB-04B**FF**B-QL8SP0*	CB-04B**FM**B-QL8SP0*
		8.0 ~ 10.0mm Yellow Seal	CB-04B**FF**B-QL8MP0*	CB-04B**FM**B-QL8MP0*
		10.0 ~ 12.0mm Blue Seal	CB-04B**FF**B-QL8LP0*	CB-04B**FM**B-QL8LP0*
	Push-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-04B**FF**E-QL8AP0*	CB-04B**FM**E-QL8AP0*
		6.0 ~ 8.0mm Red Seal	CB-04B**FF**E-QL8SP0*	CB-04B**FM**E-QL8SP0*
		8.0 ~ 10.0mm Yellow Seal	CB-04B**FF**E-QL8MP0*	CB-04B**FM**E-QL8MP0*
		10.0 ~ 12.0mm Blue Seal	CB-04B**FF**E-QL8LP0*	CB-04B**FM**E-QL8LP0*
	Crimp Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-04B**FF**A-QL8AP0	CB-04B**FM**A-QL8AP0
		6.0 ~ 8.0mm Red Seal	CB-04B**FF**A-QL8SP0	CB-04B**FM**A-QL8SP0
		8.0 ~ 10.0mm Yellow Seal	CB-04B**FF**A-QL8MP0	CB-04B**FM**A-QL8MP0
		10.0 ~ 12.0mm Blue Seal	CB-04B**FF**A-QL8LP0	CB-04B**FM**A-QL8LP0
	Crimp Type, For Data Group, Packing: Connector Without Contacts	All Seals	CB-04B**FF**A-QL8AN0	CB-04B**FM**A-QL8AN0
		6.0 ~ 8.0mm Red Seal	CB-04B**FF**A-QL8SN0	CB-04B**FM**A-QL8SN0
		8.0 ~ 10.0mm Yellow Seal	CB-04B**FF**A-QL8MN0	CB-04B**FM**A-QL8MN0
		10.0 ~ 12.0mm Blue Seal	CB-04B**FF**A-QL8LN0	CB-04B**FM**A-QL8LN0

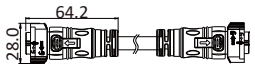
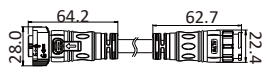
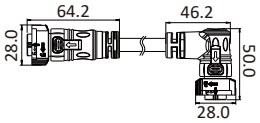
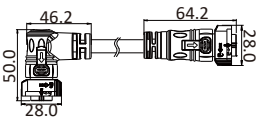
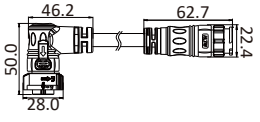
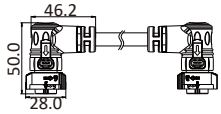
***Upon Request**

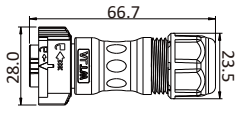
[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

Middle C Size

Mating Pair Page: **87~88**

No of Contacts		5		5 (3+2)	
Rated Voltage (AC/DC)		30 ~ 300V		30 ~ 300V	
Nominal Current		10A		10A+5A	
Plastic / Metal		Plastic		Plastic	
Pin Assignment **MM** : Male Connector Male Contact **FF**: Female Connector Female Contact **MF** : Male Connector Female Contact **FM** : Female Connector Male Contact		FF	FM	FF	FM
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M[1]					
	UL21388, PVC Jacket (For Data Group)	CB-05A**FF**M-QL8D 11	CB-05A**FM**M-QL8D 11	-	-
	UL21996, PVC Jacket (For Hybrid Group)	-	-	CBD-05A**FF**M-QL8F 11 *	CBD-05A**FM**M-QL8F 11 *
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M[1]					
	UL21388, PVC Jacket (For Data Group)	CB-05A**FF**M-QR8D 11	CB-05A**FM**M-QR8D 11	-	-
	UL21996, PVC Jacket (For Hybrid Group)	-	-	CBD-05A**FF**M-QR8F 11 *	CBD-05A**FM**M-QR8F 11 *

STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF					
	End1: **(F)** FF | End2: **(F)** FF	AB-CB05**F**L-CB**F**L-QD 10	-	AB-CBD05**F**L-CBD**F**L-QF 10 *	-
	End1: **(F)** FF | End2: **(B)** FM	AB-CB05**F**L-CB**B**L-QD 10	-	AB-CBD05**F**L-CBD**B**L-QF 10 *	-
	End1: **(F)** FF | End2: **(B)** FM	-	AB-CB05**B**L-CB**B**L-QD 10	-	AB-CBD05**B**L-CBD**B**L-QF 10 *
	End1: **(F)** FF | End2: **(H)** MF	AB-CB05**F**L-CB**H**L-QD 10	-	AB-CBD05**F**L-CBD**H**L-QF 10 *	-
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1] | Connector / Contact Gender: **(F)** FF, **(B)** FM					
	End1: **(F)** FF | End2: **(F)** FF	AB-CB05**F**L-CB**F**R-QD 10	-	AB-CBD05**F**L-CBD**F**R-QF 10 *	-
	End1: **(F)** FF | End2: **(B)** FM	AB-CB05**F**L-CB**B**R-QD 10	-	AB-CBD05**F**L-CBD**B**R-QF 10 *	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-CB05**B**L-CB**B**R-QD 10	-	AB-CBD05**B**L-CBD**B**R-QF 10 *
RIGHT ANGLE-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF					
	End1: **(F)** FF | End2: **(B)** FM	AB-CB05**F**R-CB**B**L-QD 10	-	AB-CBD05**F**R-CBD**B**L-QD 10 *	-
	End1: **(F)** FF | End2: **(H)** MF	AB-CB05**F**R-CB**H**L-QD 10	-	AB-CBD05**F**R-CBD**H**L-QD 10 *	-
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1] | Connector / Contact Gender: **(F)** FF, **(B)** FM					
	End1: **(F)** FF | End2: **(F)** FF	AB-CB05**F**R-CB**F**R-QD 10	-	AB-CBD05**F**R-CBD**F**R-QF 10 *	-
	End1: **(F)** FF | End2: **(B)** FM	AB-CB05**F**R-CB**B**R-QD 10	-	AB-CBD05**F**R-CBD**B**R-QF 10 *	-
	End1: **(F)** FF | End2: **(B)** FM	-	AB-CB05**B**R-CB**B**R-QD 10	-	AB-CBD05**B**R-BBD**B**R-QF 10 *

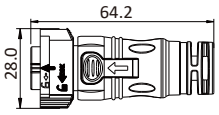
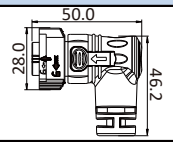
No of Contacts			5	
Rated Voltage (AC/DC)			30 ~ 300V	
Nominal Current			10A	
Plastic / Metal			Plastic	
Pin Assignment **FF**: Female Connector Female Contact **FM**: Female Connector Male Contact			FF	FM
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 6.0 ~ 8.0mm, (Yellow Seal) 8.0 ~ 10.0mm, (Blue Seal) 10.0 ~ 12.0mm				
	Solder Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-05B**FF**G-QL8AP0*	CB-05B**FM**G-QL8AP0*
		6.0 ~ 8.0mm Red Seal	CB-05B**FF**G-QL8SP0*	CB-05B**FM**G-QL8SP0*
		8.0 ~ 10.0mm Yellow Seal	CB-05B**FF**G-QL8MP0*	CB-05B**FM**G-QL8MP0*
		10.0 ~ 12.0mm Blue Seal	CB-05B**FF**G-QL8LP0*	CB-05B**FM**G-QL8LP0*
	Screw-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-05B**FF**B-QL8AP0*	CB-05B**FM**B-QL8AP0*
		6.0 ~ 8.0mm Red Seal	CB-05B**FF**B-QL8SP0*	CB-05B**FM**B-QL8SP0*
		8.0 ~ 10.0mm Yellow Seal	CB-05B**FF**B-QL8MP0*	CB-05B**FM**B-QL8MP0*
		10.0 ~ 12.0mm Blue Seal	CB-05B**FF**B-QL8LP0*	CB-05B**FM**B-QL8LP0*
	Push-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-05B**FF**E-QL8AP0*	CB-05B**FM**E-QL8AP0*
		6.0 ~ 8.0mm Red Seal	CB-05B**FF**E-QL8SP0*	CB-05B**FM**E-QL8SP0*
		8.0 ~ 10.0mm Yellow Seal	CB-05B**FF**E-QL8MP0*	CB-05B**FM**E-QL8VP0*
		10.0 ~ 12.0mm Blue Seal	CB-05B**FF**E-QL8LP0*	CB-05B**FM**E-QL8LP0*
	Crimp Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-05B**FF**A-QL8AP0	CB-05B**FM**A-QL8AP0
		6.0 ~ 8.0mm Red Seal	CB-05B**FF**A-QL8SP0	CB-05B**FM**A-QL8SP0
		8.0 ~ 10.0mm Yellow Seal	CB-05B**FF**A-QL8MP0	CB-05B**F**MA-QL8MP0
		10.0 ~ 12.0mm Blue Seal	CB-05B**FF**A-QL8LP0	CB-05B**FM**A-QL8LP0
	Crimp Type, For Data Group, Packing: Connector Without Contacts	All Seals	CB-05B**FF**A-QL8AN0	CB-05B**FM**A-QL8AN0
		6.0 ~ 8.0mm Red Seal	CB-05B**FF**A-QL8SN0	CB-05B**FM**A-QL8SN0
		8.0 ~ 10.0mm Yellow Seal	CB-05B**FF**A-QL8MN0	CB-05B**FM**A-QL8MN0
		10.0 ~ 12.0mm Blue Seal	CB-05B**FF**A-QL8LN0	CB-05B**FM**A-QL8LN0

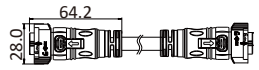
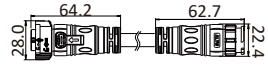
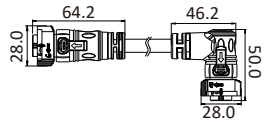
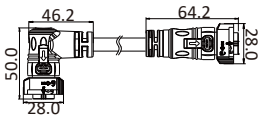
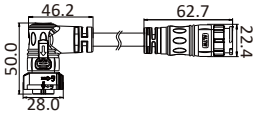
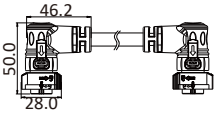
***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

Middle C Size

Mating Pair Page: **89~90**

No of Contacts		6	6 (3+3)	
Rated Voltage (AC/DC)		30 ~ 300V	30 ~ 300V	
Nominal Current		10A	10A+5A	
Plastic / Metal		Plastic	Plastic	
Pin Assignment **FF**: Female Connector Female Contact **MF**: Male Connector Female Contact **FM**: Female Connector Male Contact		FF	FF	FM
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M[1)]				
	UL21388, PVC Jacket (For Data Group)	CB-06A**FF**M-QL8D 11	-	-
	UL21996, PVC Jacket (For Hybrid Group)	-	CBD-06A**FF**M-QL8F 11	CBD-06A**FM**M-QL8F 11 *
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M[1)]				
	UL21388, PVC Jacket (For Data Group)	CB-06A**FF**M-QR8D 11	-	-
	UL21996, PVC Jacket (For Hybrid Group)	-	CBD-06A**FF**M-QR8F 11 *	CBD-06A**FM**M-QR8F 11 *

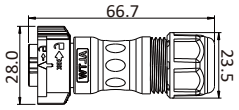
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF				
	End1: **(F)** FF | End2: **(F)** FF	AB-CB06**F**L-CB**F**L-QD 10	AB-CBD06**F**L-CBD**F**L-QF 10 *	-
	End1: **(F)** FF | End2: **(B)** FM	AB-CB06**F**L-CB**B**L-QD 10 *	AB-CBD06**F**L-CBD**B**L-QF 10 *	-
	End1: **(B)** FM | End2: **(B)** FM	-	-	AB-CBD06**B**L-CBD**B**L-QF 10 *
	End1: **(F)** FF | End2: **(H)** MF	AB-CB06**F**L-CB**H**L-QD 10 *	AB-CBD06**F**L-CBD**H**L-QF 10 *	-
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM				
	End1: **(F)** FF | End2: **(F)** FF	AB-CB06**F**L-CB**F**R-QD 10 *	AB-CBD06**F**L-CBD**F**R-QF 10 *	-
	End1: **(F)** FF | End2: **(B)** FM	AB-CB06**F**L-CB**B**R-QD 10 *	AB-CBD06**F**L-CBD**B**R-QF 10 *	-
	End1: **(B)** FM | End2: **(B)** FM	-	-	AB-CBD06**B**L-CBD**B**R-QF 10 *
RIGHT ANGLE-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF				
	End1: **(F)** FF | End2: **(B)** FM	AB-CB06**F**R-CB**B**L-QD 10 *	AB-CBD06**F**R-CBD**B**L-QD 10 *	-
	End1: **(F)** FF | End2: **(H)** MF	AB-CB06**F**R-CB**H**L-QD 10 *	AB-CBD06**F**R-CBD**H**L-QD 10 *	-
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM				
	End1: **(F)** FF | End2: **(F)** FF	AB-CB06**F**R-CB**F**R-QD 10	AB-CBD06**F**R-CBD**F**R-QF 10 *	-
	End1: **(F)** FF | End2: **(B)** FM	AB-CB06**F**R-CB**B**R-QD 10 *	AB-CBD06**F**R-CBD**B**R-QF 10 *	-
	End1: **(B)** FM | End2: **(B)** FM	-	-	AB-CBD06**B**R-BBD**B**R-QF 10 *

Middle C Size

Mating Pair Page: **89~90**

No of Contacts	6
Rated Voltage (AC/DC)	30 ~ 300V
Nominal Current	10A
Plastic / Metal	Plastic
Pin Assignment **FF**: Female Connector Female Contact	FF

Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated)
Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 6.0 ~ 8.0mm, (Yellow Seal) 8.0 ~ 10.0mm, (Blue Seal) 10.0 ~ 12.0mm



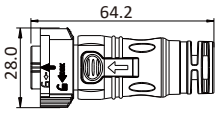
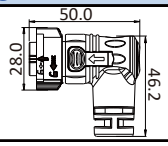
Solder Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-06B**FF**G-QL8AP0*
	6.0 ~ 8.0mm Red Seal	CB-06B**FF**G-QL8SP0*
	8.0 ~ 10.0mm Yellow Seal	CB-06B**FF**G-QL8MP0*
	10.0 ~ 12.0mm Blue Seal	CB-06B**FF**G-QL8LP0*
Screw-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-06B**FF**B-QL8AP0*
	6.0 ~ 8.0mm Red Seal	CB-06B**FF**B-QL8SP0*
	8.0 ~ 10.0mm Yellow Seal	CB-06B**FF**B-QL8MP0*
	10.0 ~ 12.0mm Blue Seal	CB-06B**FF**B-QL8LP0*
Push-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-06B**FF**E-QL8AP0*
	6.0 ~ 8.0mm Red Seal	CB-06B**FF**E-QL8SP0*
	8.0 ~ 10.0mm Yellow Seal	CB-06B**FF**E-QL8MP0*
	10.0 ~ 12.0mm Blue Seal	CB-06B**FF**E-QL8LP0*
Crimp Type, For Data Group, Packing: Connector Without Contacts	All Seals	CB-06B**FF**A-QL8AP0
	6.0 ~ 8.0mm Red Seal	CB-06B**FF**A-QL8SP0
	8.0 ~ 10.0mm Yellow Seal	CB-06B**FF**A-QL8MP0
	10.0 ~ 12.0mm Blue Seal	CB-06B**FF**A-QL8LP0
Crimp Type, For Data Group, Packing: Connector Without Contacts	All Seals	CB-06B**FF**A-QL8AN0
	6.0 ~ 8.0mm Red Seal	CB-06B**FF**A-QL8SN0
	8.0 ~ 10.0mm Yellow Seal	CB-06B**FF**A-QL8MN0
	10.0 ~ 12.0mm Blue Seal	CB-06B**FF**A-QL8LN0

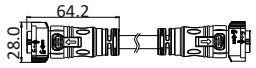
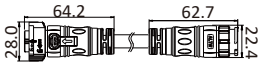
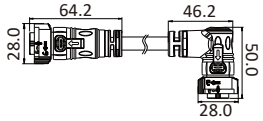
***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

Middle C Size

Mating Pair Page: **91~92**

No of Contacts		7		7 (3+4)	
Rated Voltage (AC/DC)		30 ~ 300V		30 ~ 300V	
Nominal Current		5A		10A+5A	
Plastic / Metal		Plastic		Plastic	
Pin Assignment **FF**: Female Connector Female Contact **MF** : Male Connector Female Contact **FM** : Female Connector Male Contact		FF	FM	FF	FM
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M[1)]					
	UL21388, PVC Jacket (For Data Group)	CD-07A**FF**M-QL8D 11	CD-07A**FM**M-QL8D 11	-	-
	UL21996, PVC Jacket (For Hybrid Group)	-	-	CBD-07A**FF**M-QL8F 11*	CBD-07A**FM**M-QL8F 11*
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M[1)]					
	UL21388, PVC Jacket (For Data Group)	CD-07A**FF**M-QR8D 11	CD-07A**FM**M-QR8D 11	-	-
	UL21996, PVC Jacket (For Hybrid Group)	-	-	CBD-07A**FF**M-QR8F 11*	CBD-07A**FM**M-QR8F 11*

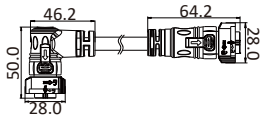
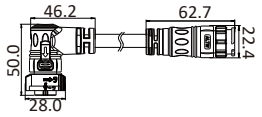
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF						
	UL21996, PVC Jacket (For Hybrid Group)	End1: **(F)** FF | End2: **(F)** FF	AB-CD07**F**L-CD**F**L-QF 10*	-	AB-CBD07**F**L-CBD**F**L-QF 10*	-
		End1: **(F)** FF | End2: **(B)** FM	AB-CD07**F**L-CD**B**L-QF 10*	-	AB-CBD07**F**L-CBD**B**L-QF 10*	-
		End1: **(B)** FM | End2: **(B)** FM	-	AB-CD07**B**L-CD**B**L-QF 10*	-	AB-CBD07**B**L-CBD**B**L-QF 10*
	UL21388, PVC Jacket (For Data Group)	End1: **(F)** FF | End2: **(F)** FF	AB-CD07**F**L-CD**F**L-QD 10		AB-CBD07**F**L-CBD**F**L-QD 10*	
		End1: **(F)** FF | End2: **(B)** FM	AB-CD07**F**L-CD**B**L-QD 10	-	AB-CBD07**F**L-CBD**B**L-QD 10*	-
		End1: **(B)** FM | End2: **(B)** FM	-	AB-CD07**B**L-CD**B**L-QD 10	-	AB-CBD07**B**L-CBD**B**L-QD 10*
	UL21996, PVC Jacket (For Hybrid Group)	End1: **(F)** FF | End2: **(H)** MF	AB-CD07**F**L-CD**H**L-QF 10*	-	AB-CBD07**F**L-CBD**H**L-QF 10*	-
	UL21388, PVC Jacket (For Data Group)	End1: **(F)** FF | End2: **(H)** MF	AB-CD07**F**L-CD**H**L-QD 10	-	AB-CBD07**F**L-CBD**H**L-QD 10*	-
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM						
	UL21996, PVC Jacket (For Hybrid Group)	End1: **(F)** FF | End2: **(F)** FF	AB-CD07**F**L-CD**F**R-QF 10	-	AB-CBD07**F**L-CBD**F**R-QF 10*	-
		End1: **(F)** FF | End2: **(B)** FM	AB-CD07**F**L-CD**B**R-QF 10*	-	AB-CBD07**F**L-CBD**B**R-QF 10*	-
		End1: **(B)** FM | End2: **(B)** FM	-	AB-CD07**B**L-CD**B**R-QF 10*	-	AB-CBD07**B**L-CBD**B**R-QF 10*
	UL21388, PVC Jacket (For Data Group)	End1: **(F)** FF | End2: **(F)** FF	AB-CD07**F**L-CD**F**R-QD 10*	-	AB-CBD07**F**L-CBD**F**R-QD 10*	-
		End1: **(F)** FF | End2: **(B)** FM	AB-CD07**F**L-CD**B**R-QD 10	-	AB-CBD07**F**L-CBD**B**R-QD 10*	-
		End1: **(B)** FM | End2: **(B)** FM	-	AB-CD07**B**L-CD**B**R-QD 10	-	AB-CBD07**B**L-CBD**B**R-QD 10*

Middle C Size

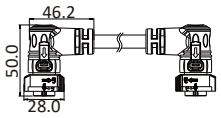
Mating Pair Page: **91~92**

No of Contacts	7	7 (3+4)
Rated Voltage (AC/DC)	30 ~ 300V	30 ~ 300V
Nominal Current	5A	10A+5A
Plastic / Metal	Plastic	Plastic
Pin Assignment **FF**: Female Connector Female Contact **MF**: Male Connector Female Contact **FM**: Female Connector Male Contact		

RIGHT ANGLE-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF

	End1: **(F)** FF | End2: **(B)** FM	AB-CD07**F**R-CD**B**L-QD⑩	-	AB-CBD07**F**R-CBD**B**L-QD⑩*	-
	End1: **(F)** FF | End2: **(H)** MF	AB-CD07**F**R-CD**H**L-QD⑩	-	AB-CBD07**F**R-CBD**H**L-QD⑩*	-

RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM

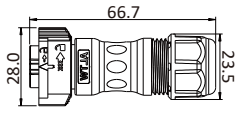
	End1: **(F)** FF | End2: **(F)** FF	AB-CD07**F**R-CD**F**R-QD⑩	-	AB-CBD07**F**R-CBD**F**R-QF⑩*	-
	End1: **(F)** FF | End2: **(B)** FM	AB-CD07**F**R-CD**B**R-QD⑩	-	AB-CBD07**F**R-CBD**B**R-QF⑩*	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-CD07**B**R-CD**B**R-QD⑩	-	AB-CBD07**B**R-BBD**B**R-QF⑩*

***Upon Request**

[1)] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

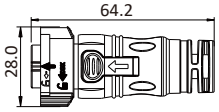
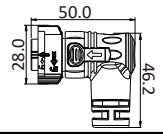
Middle C Size

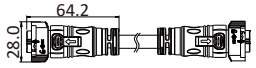
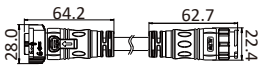
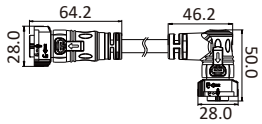
Mating Pair Page: **91~92**

No of Contacts			7	
Rated Voltage (AC/DC)			30 ~ 300V	
Nominal Current			5A	
Plastic / Metal			Plastic	
Pin Assignment **FF**: Female Connector Female Contact **FM**: Female Connector Male Contact			FF	FM
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 6.0 ~ 8.0mm, (Yellow Seal) 8.0 ~ 10.0mm, (Blue Seal) 10.0 ~ 12.0mm				
	Solder Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-07B**FF**G-QL8AP0 *	CD-07B**FM**G-QL8AP0 *
		6.0 ~ 8.0mm Red Seal	CD-07B**FF**G-QL8SP0 *	CD-07B**FM**G-QL8SP0 *
		8.0 ~ 10.0mm Yellow Seal	CD-07B**FF**G-QL8MP0 *	CD-07B**FM**G-QL8MP0 *
		10.0 ~ 12.0mm Blue Seal	CD-07B**FF**G-QL8LP0 *	CD-07B**FM**G-QL8LP0 *
	Screw-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-07B**FF**B-QL8AP0 *	CD-07B**FM**B-QL8AP0 *
		6.0 ~ 8.0mm Red Seal	CD-07B**FF**B-QL8SP0 *	CD-07B**FM**B-QL8SP0 *
		8.0 ~ 10.0mm Yellow Seal	CD-07B**FF**B-QL8MP0 *	CD-07B**FM**B-QL8MP0 *
		10.0 ~ 12.0mm Blue Seal	CD-07B**FF**B-QL8LP0 *	CD-07B**FM**B-QL8LP0 *
	Push-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-07B**FF**E-QL8AP0 *	CD-07B**FM**E-QL8AP0 *
		6.0 ~ 8.0mm Red Seal	CD-07B**FF**E-QL8SP0 *	CD-07B**FM**E-QL8SP0 *
		8.0 ~ 10.0mm Yellow Seal	CD-07B**FF**E-QL8MP0 *	CD-07B**FM**E-QL8MP0 *
		10.0 ~ 12.0mm Blue Seal	CD-07B**FF**E-QL8LP0 *	CD-07B**FM**E-QL8LP0 *
	Crimp Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-07B**FF**A-QL8AP0*	CD-07B**FM**A-QL8AP0
		6.0 ~ 8.0mm Red Seal	CD-07B**FF**A-QL8SP0*	CD-07B**FM**A-QL8SP0
		8.0 ~ 10.0mm Yellow Seal	CD-07B**FF**A-QL8MP0*	CD-07B**FM**A-QL8MP0
		10.0 ~ 12.0mm Blue Seal	CD-07B**FF**A-QL8LP0*	CD-07B**FM**A-QL8LP0
	Crimp Type, For Data Group, Packing: Connector Without Contacts	All Seals	CD-07B**FF**A-QL8AN0*	CD-07B**FM**A-QL8AN0
		6.0 ~ 8.0mm Red Seal	CD-07B**FF**A-QL8SN0*	CD-07B**FM**A-QL8SN0
		8.0 ~ 10.0mm Yellow Seal	CD-07B**FF**A-QL8MN0*	CD-07B**FM**A-QL8MN0
		10.0 ~ 12.0mm Blue Seal	CD-07B**FF**A-QL8LN0*	CD-07B**FM**A-QL8LN0

Middle C Size

Mating Pair Page: **93~94**

No of Contacts		8		8 (3+5)	
Rated Voltage (AC/DC)		30 ~ 300V		30 ~ 300V	
Nominal Current		5A		10A+5A	
Plastic / Metal		Plastic		Plastic	
Pin Assignment **FF**: Female Connector Female Contact **MF**: Male Connector Female Contact **FM**: Female Connector Male Contact		FF	FM	FF	FM
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1]					
	UL21388, PVC Jacket (For Data Group)	CD-08A**FF**M-QL8D 11	CD-08A**FM**M-QL8D 11	-	-
	UL21996, PVC Jacket (For Hybrid Group)	-	-	CBD-08A**FF**M-QL8F 11	CBD-08A**FM**M-QL8F 11
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1]					
	UL21388, PVC Jacket (For Data Group)	CD-08A**FF**M-QR8D 11	CD-08A**FM**M-QR8D 11	-	-
	UL21996, PVC Jacket (For Hybrid Group)	-	-	CBD-08A**FF**M-QR8F 11	CBD-08A**FM**M-QR8F 11

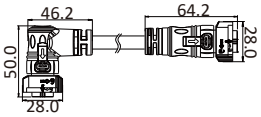
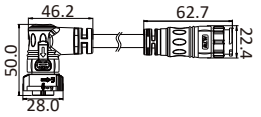
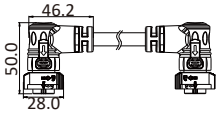
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF						
	UL21996, PVC Jacket (For Hybrid Group)	End1: **(F)** FF | End2: **(F)** FF	AB-CD08**F**L-CD**F**L-QF 10*	-	AB-CBD08**F**L-CBD**F**L-QF 10	-
		End1: **(F)** FF | End2: **(B)** FM	AB-CD08**F**L-CD**B**L-QF 10*	-	AB-CBD08**F**L-CBD**B**L-QF 10	-
		End1: **(B)** FM | End2: **(B)** FM	-	AB-CD08**B**L-CD**B**L-QF 10*	-	AB-CBD08**B**L-CBD**B**L-QF 10
	UL21388, PVC Jacket (For Data Group)	End1: **(F)** FF | End2: **(F)** FF	AB-CD08**F**L-CD**F**L-QD 10		AB-CBD08**F**L-CBD**F**L-QD 10*	
		End1: **(F)** FF | End2: **(B)** FM	AB-CD08**F**L-CD**B**L-QD 10	-	AB-CBD08**F**L-CBD**B**L-QD 10*	-
		End1: **(B)** FM | End2: **(B)** FM	-	AB-CD08**B**L-CD**B**L-QD 10	-	AB-CBD08**B**L-CBD**B**L-QD 10*
	UL21996, PVC Jacket (For Hybrid Group)	End1: **(F)** FF | End2: **(H)** MF	AB-CD08**F**L-CD**H**L-QF 10*	-	AB-CBD08**F**L-CBD**H**L-QF 10	-
	UL21388, PVC Jacket (For Data Group)	End1: **(F)** FF | End2: **(H)** MF	AB-CD08**F**L-CD**H**L-QD 10	-	AB-CBD08**F**L-CBD**H**L-QD 10*	-
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF, **(B)** FM						
	UL21996, PVC Jacket (For Hybrid Group)	End1: **(F)** FF | End2: **(F)** FF	AB-CD08**F**L-CD**F**R-QF 10*	-	AB-CBD08**F**L-CBD**F**R-QF 10	-
		End1: **(F)** FF | End2: **(B)** FM	AB-CD08**F**L-CD**B**R-QF 10*	-	AB-CBD08**F**L-CBD**B**R-QF 10	-
		End1: **(B)** FM | End2: **(B)** FM	-	AB-CD08**B**L-CD**B**R-QF 10*	-	AB-CBD08**B**L-CBD**B**R-QF 10
	UL21388, PVC Jacket (For Data Group)	End1: **(F)** FF | End2: **(F)** FF	AB-CD08**F**L-CD**F**R-QD 10	-	AB-CBD08**F**L-CBD**F**R-QD 10*	-
		End1: **(F)** FF | End2: **(B)** FM	AB-CD08**F**L-CD**B**R-QD 10	-	AB-CBD08**F**L-CBD**B**R-QD 10*	-
		End1: **(B)** FM | End2: **(B)** FM	-	AB-CD08**B**L-CD**B**R-QD 10	-	AB-CBD08**B**L-CBD**B**R-QD 10*

***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

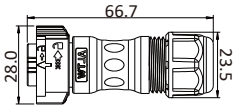
Middle C Size

Mating Pair Page: **93~94**

No of Contacts			8		8 (3+5)	
Rated Voltage (AC/DC)			30 ~ 300V		30 ~ 300V	
Nominal Current			5A		10A+5A	
Plastic / Metal			Plastic		Plastic	
Pin Assignment **FF**: Female Connector Female Contact **MF**: Male Connector Female Contact **FM**: Female Connector Male Contact						
RIGHT ANGLE-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF						
	UL21996, PVC Jacket (For Hybrid Group)	End1: **(F)** FF | End2: **(B)** FM	AB-CD08**F**R-CD**B**L-QF⑩*	-	AB-CBD08**F**R-CBD**B**L-QF⑩	-
	UL21388, PVC Jacket (For Data Group)	End1: **(F)** FF | End2: **(B)** MF	AB-CD08**F**R-CD**B**L-QD⑩	-	AB-CBD08**F**R-CBD**B**L-QD⑩*	-
	UL21996, PVC Jacket (For Hybrid Group)	End1: **(F)** FF | End2: **(H)** FM	AB-CD08**F**R-CD**H**L-QF⑩*	-	AB-CBD08**F**R-CBD**H**L-QF⑩	-
	UL21388, PVC Jacket (For Data Group)	End1: **(F)** FF | End2: **(H)** MF	AB-CD08**F**R-CD**H**L-QD⑩	-	AB-CBD08**F**R-CBD**H**L-QD⑩*	-
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1] | Connector / Contact Gender: **(F)** FF, **(B)** FM						
	End1: **(F)** FF | End2: **(F)** FF		AB-CD08**F**R-CD**F**R-QD⑩	-	AB-CBD08**F**R-CBD**F**R-QF⑩	-
	End1: **(F)** FF | End2: **(B)** FM		AB-CD08**F**R-CD**B**R-QD⑩	-	AB-CBD08**F**R-CBD**B**R-QF⑩	-
	End1: **(B)** FM | End2: **(B)** FM		-	AB-CD08**B**R-CD**B**R-QD⑩	-	AB-CBD08**B**R-CBD**B**R-QF⑩

Middle C Size

Mating Pair Page: **93~94**

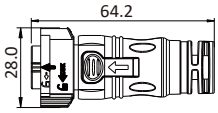
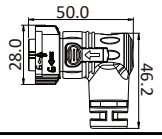
No of Contacts			8		8 (3+5)
Rated Voltage (AC/DC)			30 ~ 300V		30 ~ 300V
Nominal Current			5A		10A+5A
Plastic / Metal			Plastic		Plastic
Pin Assignment **FF**: Female Connector Female Contact **FM** : Female Connector Male Contact			FF	FM	FM
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 6.0 ~ 8.0mm, (Yellow Seal) 8.0 ~ 10.0mm, (Blue Seal) 10.0 ~12.0mm					
	Solder Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-08B**FF**G-QL8AP0 *	CD-08B**FM**G-QL8AP0 *	-
		6.0 ~ 8.0mm Red Seal	CD-08B**FF**G-QL8SP0 *	CD-08B**FM**G-QL8SP0 *	-
		8.0 ~ 10.0mm Yellow Seal	CD-08B**FF**G-QL8MP0*	CD-08B**FM**G-QL8MP0*	-
		10.0 ~ 12.0mm Blue Seal	CD-08B**FF**G-QL8LP0 *	CD-08B**FM**G-QL8LP0 *	-
	Screw-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-08B**FF**B-QL8AP0 *	CD-08B**FM**B-QL8AP0 *	
		6.0 ~ 8.0mm Red Seal	CD-08B**FF**B-QL8SP0 *	CD-08B**FM**B-QL8SP0 *	-
		8.0 ~ 10.0mm Yellow Seal	CD-08B**FF**B-QL8MP0 *	CD-08B**FM**B-QL8MP0*	-
		10.0 ~ 12.0mm Blue Seal	CD-08B**FF**B-QL8LP0 *	CD-08B**FM**B-QL8LP0 *	-
	Push-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-08B**FF**E-QL8AP0 *	CD-08B**FM**E-QL8AP0 *	-
		6.0 ~ 8.0mm Red Seal	CD-08B**FF**E-QL8SP0 *	CD-08B**FM**E-QL8SP0 *	-
		8.0 ~ 10.0mm Yellow Seal	CD-08B**FF**E-QL8MP0 *	CD-08B**FM**E-QL8MP0*	-
		10.0 ~ 12.0mm Blue Seal	CD-08B**FF**E-QL8LP0 *	CD-08B**FM**E-QL8LP0 *	-
	Crimp Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-08B**FF**A-QL8AP0	CD-08B**FM**A-QL8AP0	CBD-08B**FM**A-QL8AP0*
		6.0 ~ 8.0mm Red Seal	CD-08B**FF**A-QL8SP0	CD-08B**FM**A-QL8SP0	CBD-08B**FM**A-QL8SP0*
		8.0 ~ 10.0mm Yellow Seal	CD-08B**FF**A-QL8MP0	CD-08B**FM**A-QL8MP0	CBD-08B**FM**A-QL8MP0*
		10.0 ~ 12.0mm Blue Seal	CD-08B**FF**A-QL8LP0	CD-08B**FM**A-QL8LP0	CBD-08B**FM**A-QL8LP0
	Crimp Type, For Data Group, Packing: Connector Without Contacts	All Seals	CD-08B**FF**A-QL8AN0	CD-08B**FM**A-QL8AN0	-
		6.0 ~ 8.0mm Red Seal	CD-08B**FF**A-QL8SN0	CD-08B**FM**A-QL8SN0	-
		8.0 ~ 10.0mm Yellow Seal	CD-08B**FF**A-QL8MN0	CD-08B**FM**A-QL8MN0	-
		10.0 ~ 12.0mm Blue Seal	CD-08B**FF**A-QL8LN0	CD-08B**FM**A-QL8LN0	-

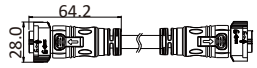
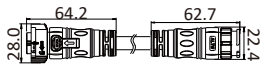
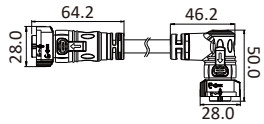
***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

Middle C Size

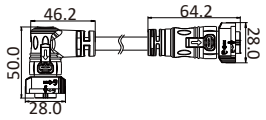
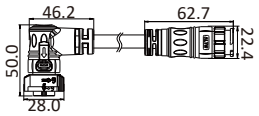
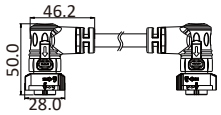
Mating Pair Page: **95~96**

No of Contacts			9		10	12
Rated Voltage (AC/DC)			30 ~ 300V		30 ~ 300V	30 ~ 300V
Nominal Current			5A		5A	5A
Plastic / Metal			Plastic		Plastic	Plastic
Pin Assignment **FF**: Female Connector Female Contact **MF**: Male Connector Female Contact **FM**: Female Connector Male Contact			FF	FM	FF	FF
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]						
	UL21388, PVC Jacket (For Data Group)		CD-09A**FF**M-QL8D 11	CD-09A**FM**M-QL8D 11	CD-10A**FF**M-QL8D 11	CD-12A**FF**M-QL8D 11
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]						
	UL21388, PVC Jacket (For Data Group)		CD-09A**FF**M-QR8D 11	CD-09A**FM**M-QR8D 11	CD-10A**FF**M-QR8D 11	CD-12A**FF**M-QR8D 11

STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF						
	UL21996, PVC Jacket (For Hybrid Group)	End1: **(F)** FF | End2: **(F)** FF	AB-CD09**F**L-CD**F**L-QF 10*	-	AB-CD10**F**L-CD**F**L-QF 10*	AB-CD12**F**L-CD**F**L-QF 10*
		End1: **(F)** FF | End2: **(B)** FM	AB-CD09**F**L-CD**B**L-QF 10*	-	AB-CD10**F**L-CD**B**L-QF 10*	AB-CD12**F**L-CD**B**L-QF 10*
		End1: **(B)** FM | End2: **(B)** FM	-	AB-CD09**B**L-CD**B**L-QF 10*	-	-
	UL21388, PVC Jacket (For Data Group)	End1: **(F)** FF | End2: **(F)** FF	AB-CD09**F**L-CD**F**L-QD 10		AB-CD10**F**L-CD**F**L-QD 10	AB-CD12**F**L-CD**F**L-QD 10
		End1: **(F)** FF | End2: **(B)** FM	AB-CD09**F**L-CD**B**L-QD 10	-	AB-CD10**F**L-CD**B**L-QD 10*	AB-CD12**F**L-CD**B**L-QD 10*
		End1: **(B)** FM | End2: **(B)** FM	-	AB-CD09**B**L-CD**B**L-QD 10	-	-
	UL21996, PVC Jacket (For Hybrid Group)	End1: **(F)** FF | End2: **(H)** MF	AB-CD09**F**L-CD**H**L-QF 10*	-	AB-CD10**F**L-CD**H**L-QF 10*	AB-CD12**F**L-CD**H**L-QF 10*
	UL21388, PVC Jacket (For Data Group)	End1: **(F)** FF | End2: **(H)** MF	AB-CD09**F**L-CD**H**L-QD 10	-	AB-CD10**F**L-CD**H**L-QD 10*	AB-CD12**F**L-CD**H**L-QD 10*
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM						
	UL21996, PVC Jacket (For Hybrid Group)	End1: **(F)** FF | End2: **(F)** FF	AB-CD09**F**L-CD**F**R-QF 10*	-	AB-CD10**F**L-CD**F**R-QF 10*	AB-CD12**F**L-CD**F**R-QF 10*
		End1: **(F)** FF | End2: **(B)** FM	AB-CD09**F**L-CD**B**R-QF 10*	-	AB-CD10**F**L-CD**B**R-QF 10*	AB-CD12**F**L-CD**B**R-QF 10*
		End1: **(B)** FM | End2: **(B)** FM	-	AB-CD09**B**L-CD**B**R-QF 10*	-	-
	UL21388, PVC Jacket (For Data Group)	End1: **(F)** FF | End2: **(F)** FF	AB-CD09**F**L-CD**F**R-QD 10	-	AB-CD10**F**L-CD**F**R-QD 10	AB-CD12**F**L-CD**F**R-QD 10
		End1: **(F)** FF | End2: **(B)** FM	AB-CD09**F**L-CD**B**R-QD 10	-	AB-CD10**F**L-CD**B**R-QD 10*	AB-CD12**F**L-CD**B**R-QD 10*
		End1: **(B)** FM | End2: **(B)** FM	-	AB-CD09**B**L-CD**B**R-QD 10	-	-

Middle C Size

Mating Pair Page: **95~96**

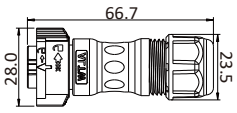
No of Contacts		9		10	12
Rated Voltage (AC/DC)		30 ~ 300V		30 ~ 300V	30 ~ 300V
Nominal Current		5A		5A	5A
Plastic / Metal		Plastic		Plastic	Plastic
Pin Assignment **FF**: Female Connector Female Contact **MF**: Male Connector Female Contact **FM**: Female Connector Male Contact					
RIGHT ANGLE-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF					
	End1: **(F)** FF | End2: **(B)** FM	AB-CD09**F**R-CD**B**L-QD10	-	AB-CD10**F**R-CD**B**L-QD10*	AB-CD12**F**R-CD**B**L-QD10*
	End1: **(F)** FF | End2: **(H)** MF	AB-CD09**F**R-CD**H**L-QD10	-	AB-CD10**F**R-CD**H**L-QD10*	AB-CD12**F**R-CD**H**L-QD10*
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1] | Connector / Contact Gender: **(F)** FF, **(B)** FM					
	End1: **(F)** FF | End2: **(F)** FF	AB-CD09**F**R-CD**F**R-QD10	-	AB-CD10**F**R-CD**F**R-QD10	AB-CD12**F**R-CD**F**R-QD10
	End1: **(F)** FF | End2: **(B)** FM	AB-CD09**F**R-CD**B**R-QD10	-	AB-CD10**F**R-CD**B**R-QD10*	AB-CD12**F**R-CD**B**R-QD10*
	End1: **(B)** FM | End2: **(B)** FM	-	AB-CD09**B**R-CD**B**R-QD10	-	-

***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

Middle C Size

Mating Pair Page: **95~96**

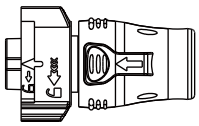
No of Contacts			9		10	12
Rated Voltage (AC/DC)			30 ~ 300V		30 ~ 300V	30 ~ 300V
Nominal Current			5A		5A	5A
Plastic / Metal			Plastic		Plastic	Plastic
Pin Assignment **FF**: Female Connector Female Contact **FM**: Female Connector Male Contact			FF	FM	FF	FF
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 6.0 ~ 8.0mm, (Yellow Seal) 8.0 ~ 10.0mm, (Blue Seal) 10.0 ~ 12.0mm						
	Solder Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-09B**FFG**-QL8AP0*	CD-09B**FMG**-QL8AP0*	CD-10B**FFG**-QL8AP0*	CD-12B**FFG**-QL8AP0*
		6.0 ~ 8.0mm Red Seal	CD-09B**FFG**-QL8SP0*	CD-09B**FMG**-QL8SP0*	CD-10B**FFG**-QL8SP0*	CD-12B**FFG**-QL8SP0*
		8.0 ~ 10.0mm Yellow Seal	CD-09B**FFG**-QL8MP0*	CD-09B**FMG**-QL8MP0*	CD-10B**FFG**-QL8MP0*	CD-12B**FFG**-QL8MP0*
		10.0 ~ 12.0mm Blue Seal	CD-09B**FFG**-QL8LP0*	CD-09B**FMG**-QL8LP0*	CD-10B**FFG**-QL8LP0*	CD-12B**FFG**-QL8LP0*
	Screw-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-09B**FFB**-QL8AP0*	CD-09B**FMB**-QL8AP0*	CD-10B**FFB**-QL8AP0*	CD-12B**FFB**-QL8AP0*
		6.0 ~ 8.0mm Red Seal	CD-09B**FFB**-QL8SP0*	CD-09B**FMB**-QL8SP0*	CD-10B**FFB**-QL8SP0*	CD-12B**FFB**-QL8SP0*
		8.0 ~ 10.0mm Yellow Seal	CD-09B**FFB**-QL8MP0*	CD-09B**FMB**-QL8MP0*	CD-10B**FFB**-QL8MP0*	CD-12B**FFB**-QL8MP0*
		10.0 ~ 12.0mm Blue Seal	CD-09B**FFB**-QL8LP0*	CD-09B**FMB**-QL8LP0*	CD-10B**FFB**-QL8LP0*	CD-12B**FFB**-QL8LP0*
	Push-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-09B**FFE**-QL8AP0*	CD-09B**FME**-QL8AP0*	CD-10B**FFE**-QL8AP0*	CD-12B**FFE**-QL8AP0*
		6.0 ~ 8.0mm Red Seal	CD-09B**FFE**-QL8SP0*	CD-09B**FME**-QL8SP0*	CD-10B**FFE**-QL8SP0*	CD-12B**FFE**-QL8SP0*
		8.0 ~ 10.0mm Yellow Seal	CD-09B**FFE**-QL8MP0*	CD-09B**FME**-QL8MP0*	CD-10B**FFE**-QL8MP0*	CD-12B**FFE**-QL8MP0*
		10.0 ~ 12.0mm Blue Seal	CD-09B**FFE**-QL8LP0*	CD-09B**FME**-QL8LP0*	CD-10B**FFE**-QL8LP0*	CD-12B**FFE**-QL8LP0*
	Crimp Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-09B**FFA**-QL8AP0	CD-09B**FMA**-QL8AP0	CD-10B**FFA**-QL8AP0	CD-12B**FFA**-QL8AP0
		6.0 ~ 8.0mm Red Seal	CD-09B**FFA**-QL8SP0	CD-09B**FMA**-QL8SP0	CD-10B**FFA**-QL8SP0	CD-12B**FFA**-QL8SP0
		8.0 ~ 10.0mm Yellow Seal	CD-09B**FFA**-QL8MP0	CD-09B**FMA**-QL8MP0	CD-10B**FFA**-QL8MP0	CD-12B**FFA**-QL8MP0
		10.0 ~ 12.0mm Blue Seal	CD-09B**FFA**-QL8LP0	CD-09B**FMA**-QL8LP0	CD-10B**FFA**-QL8LP0	CD-12B**FFA**-QL8LP0
	Crimp Type, For Data Group, Packing: Connector Without Contacts	All Seals	CD-09B**FFA**-QL8AN0	CD-09B**FMA**-QL8AN0	CD-10B**FFA**-QL8AN0	CD-12B**FFA**-QL8AN0
		6.0 ~ 8.0mm Red Seal	CD-09B**FFA**-QL8SN0	CD-09B**FMA**-QL8SN0	CD-10B**FFA**-QL8SN0	CD-12B**FFA**-QL8SN0
		8.0 ~ 10.0mm Yellow Seal	CD-09B**FFA**-QL8MN0	CD-09B**FMA**-QL8MN0	CD-10B**FFA**-QL8MN0	CD-12B**FFA**-QL8MN0
		10.0 ~ 12.0mm Blue Seal	CD-09B**FFA**-QL8LN0	CD-09B**FMA**-QL8LN0	CD-10B**FFA**-QL8LN0	CD-12B**FFA**-QL8LN0

***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

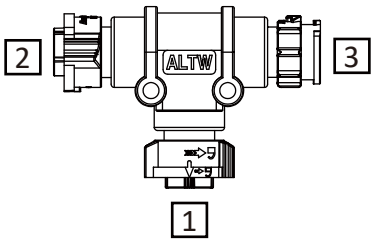
Customization - Upon Request

I Adaptor



Terminator

T Adaptor

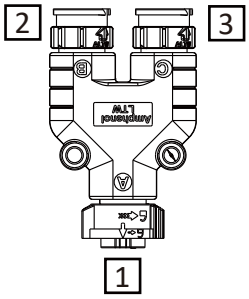


1 Current Rating:
(CD) 5A*
(CB) 10A
(CC) 20A
5 For Connector 1
6 For Connector 2
7 For Connector 3
Choose Connector / Contacts Gender:
(M): Male + Male
(F): Female + Female
(H): Male + Female
(B): Female + Male

Nominal Current	No. of Contacts	Mating Style	Part Number	More Options
10A (CB)	04, 05, 06	Push Lock	AB-CB-222-MFF-TQ001	AB-1-222-567-TQ001
			AB-CB-222-FMF-TQ001	
20A (CC)	02, 03		AB-CC-222-HBH-TQ001	
			AB-CC-222-FFM-TQ001	

*Upon Request

Y Adaptor

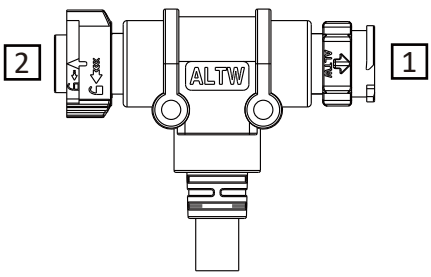


1 Current Rating:
(CD) 5A*
(CB) 10A*
(CC) 20A
5 For Connector 1
6 For Connector 2
7 For Connector 3
Choose Connector / Contacts Gender:
(M): Male + Male
(F): Female + Female
(H): Male + Female
(B): Female + Male

Nominal Current	No. of Contacts	Mating Style	Part Number	More Options
20A (CC)	02, 03	Push Lock	AB-CC-222-FMM-YQ001	AB-1-222-567-YQ001

*Upon Request

T Cable



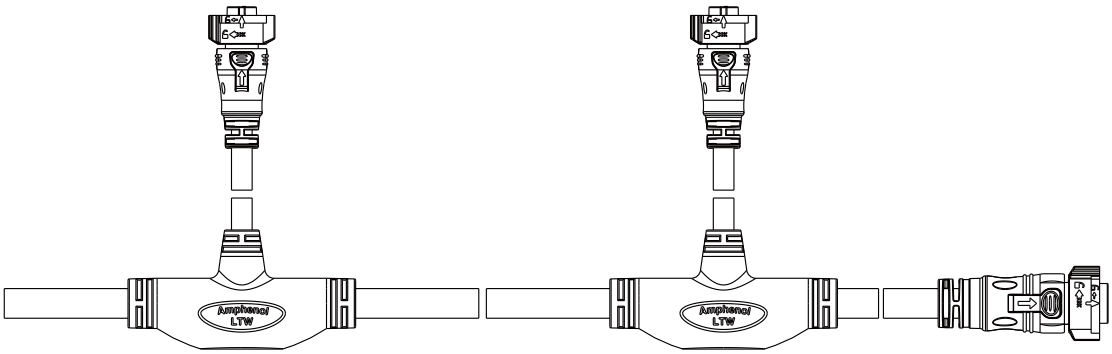
1 Current Rating:
(CD) 5A*
(CB) 10A*
(CC) 20A
4 For Connector 1
5 For Connector 2
Choose Connector / Contacts Gender:
(M): Male + Male
(F): Female + Female
(H): Male + Female
(B): Female + Male
*XX: Choose the cable length: 01-99m

Nominal Current	No. of Contacts	Mating Style	Part Number	More Options
20A (CC)	02, 03	Push Lock	AB-CC-2200-BH0-TQEXX	AB-1-2200-450-TQEXX

*Upon Request

X - Tee (Cable to Cable)

Trunk Cable with Cable



1 Number of Contacts:
3
4 *
2 UL - SJTW or SJT Cable Style:
12 - 12AWG
14 - 14AWG*
HB - 16 + 22AWG (IPCS)*
3 Cable Length:
1 ~ 99M
01 - 1.0M
02 - 2.0M
03 - 3.0M
...

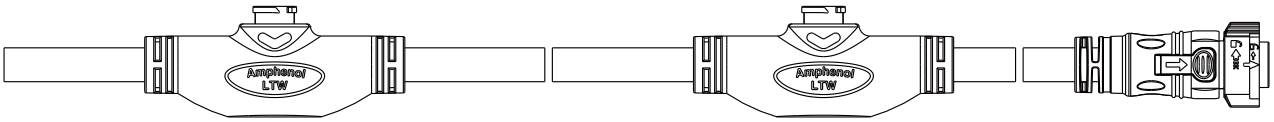
4 Cable pitch:
05 - 500mm*
A0 - 1.0M, A5 - 1.5M
B0 - 2.0M, B5 - 2.5M*
C0 - 3.0M, C5 - 3.5M*
...
5 drop cable or wire harness awg:
0 - Panel Conn*
A - 18AWG
B - 20AWG*
C - 22AWG*
D - 24AWG*
E - 20 + 24AWG*

6 connector style and drop cable length:
00 - Panel(X Lok B size)
02 - 0.2m
03 - 0.3m
...
7 Waterproof Rating:
N - Non waterproof
7 - IPX7
6 - IPX6*
8 Number of T Junctions
001 - 1 T Conn
...
020 - 20 T Conn

Nominal Current	No. of Contacts	Mating Style	Part Number	More Options
20A	3, 4	Push Lock	TC-31201A0-A02-7002	TC-1 2 3 4 - 5 6 - 7 8 *
			TC-31201A0-A02-7020	
5A			TC-31201A0-A02-N002	
			TC-31201A0-A02-N020	

*Upon Request

Trunk Cable with Panel



1 Number of Contacts:
3
4*
2 UL - SJTW or SJT Cable Style:
12 - 12AWG
14 - 14AWG*
HB - 16 + 22AWG (IPCS)*
3 Cable Length:
1 ~ 99M
01 - 1.0M
02 - 2.0M
03 - 3.0M
...

4 Cable pitch:
05 - 500mm*
A0 - 1.0M, A5 - 1.5M
B0 - 2.0M, B5 - 2.5M*
C0 - 3.0M, C5 - 3.5M*
...
5 drop cable or wire harness awg:
0 - Panel Conn
A - 18AWG*
B - 20AWG*
C - 22AWG*
D - 24AWG*
E - 20 + 24AWG*

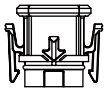
6 connector style and drop cable length:
00 - Panel(X Lok B size)
02 - 0.2m
03 - 0.3m
...
7 Waterproof Rating:
N - Non waterproof
7 - IPX7
6 - IPX6*
8 Number of T Junctions
001 - 1 T Conn
...
020 - 20 T Conn

Nominal Current	No. of Contacts	Mating Style	Part Number	More Options
20A	3, 4	Push Lock	TP-31201A0-000-7002	TP-1 2 3 4 - 5 6 - 7 8 *
			TP-31201A0-000-7020	
5A			TP-31201A0-000-N002	
			TP-31201A0-000-N020	

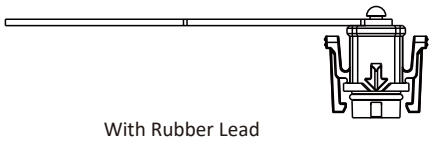
*Upon Request

Waterproof Cap

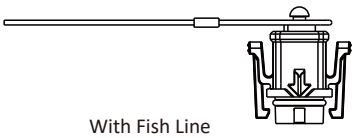
For Mating With Male



None

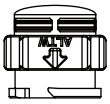


With Rubber Lead

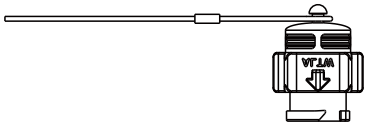


With Fish Line

For Mating With Female



None

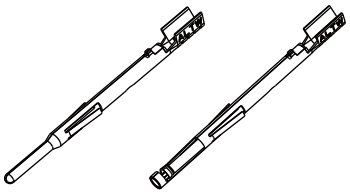


With Fish Line

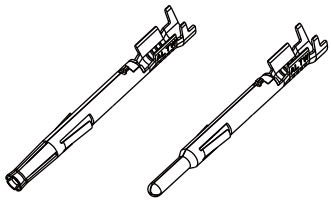
More to choose:
3 None (MA) / With Rubber Lead (PC)
4 None (MA) / With Fish Line (CD)
5 None (A) / With Fish Line (D)

Size	Mating Part	Gender of Mating Part	Mating Style	Part Number
C Size	Receptacle	Male	Push Lock	CAP-WACMQ 3 1 CAP-WACMQ 3 2 (Hybrid)
	Overmolded with Cable	Female		CAP-WACFQ 4 1
		Male		CAP-WACMQM 5 1 CAP-WACMQM 5 2 (Hybrid)

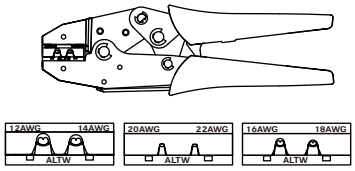
Contacts & Crimp Tool



5A

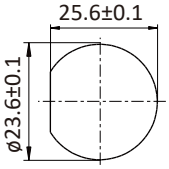
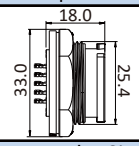
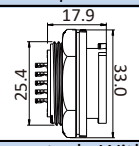
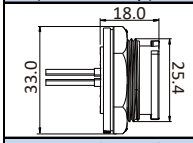
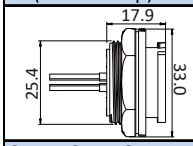
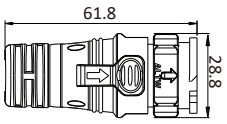


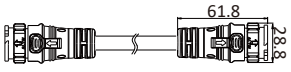
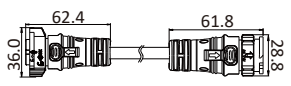
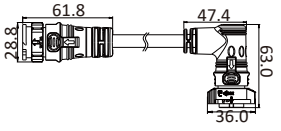
10A/20A



Crimp Tool

Nominal Current	Contact Gender	Part Number	Packages 6	Crimp Tool
5A	Male	ASSP-05-M-A-C- 6	**(SA)** 50pcs / Box **(SB)** 100pcs / Box **(RE)** 5A 3,000pcs / Reel 10A 3,000pcs / Reel 20A 2,000pcs / Reel	P/N: ASST-C-05-W-A (22 ~ 20AWG | 0.34 ~ 0.50mm^2)
	Female	ASSP-05-F-A-C- 6		
10A	Male	ASSP-10-M-A-C- 6		P/N: ASST-C-10-W-B (18 ~ 16AWG | 0.75 ~ 1.50mm^2)
	Female	ASSP-10-F-A-C- 6		
20A	Male	ASSP-20-M-A-C- 6		P/N: ASST-C-20-W-C (14 ~ 12AWG | 2.50 ~ 4.00mm^2)
	Female	ASSP-20-F-A-C- 6		

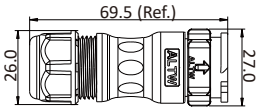
No of Contacts	**Panel Cut Out**	2	
Rated Voltage (AC/DC)	Circular Flange (D Cut)	300V	
Nominal Current		20A	
Plastic / Metal		Plastic	
Pin Assignment **MM** : Male Connector Male Contact **FF** : Female Connector Female Contact **MF** : Male Connector Female Contact **FM** : Female Connector Male Contact		MM	MF
Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm			
	Solder Type (For Power Group)	DC-02P**MM**S-QC800P	DC-02P**MF**S-QC800P
	180° PCB Type (For Power Group)	DC-02P**MM**P-QC800P *	DC-02P**MF**P-QC800P *
Receptacle, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm			
	Solder Type (For Power Group)	DC-02R**MM**S-QC800P	DC-02R**MF**S-QC800P
Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm [1] | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm			
	UL1015, PVC Jacket	DC-02P**MM**S-QC8B 11 *	DC-02P**MF**S-QC8B 11 *
Receptacle With Wires, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm [1] | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm			
	UL1015, PVC Jacket	DC-02R**MM**S-QC8B 11 *	DC-02R**MF**S-QC8B 11 *
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1]			
	UL SJTW, PVC Jacket (For Power Group)	DC-02A**MM**M-QL8E 11	DC-02A**MF**M-QL8E 11 *

STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF			
	End1: **(H)** MF | End2: **(H)** MF	-	AB-DC02**H**L-DC**H**L-QE 10
	End1: **(M)** MM | End2: **(H)** MF	AB-DC02**M**L-DC**H**L-QE 10	-
	End1: **(M)** MM | End2: **(M)** MM	AB-DC02**M**L-DC**M**L-QE 10	-
	End1: **(H)** MF | End2: **(B)** FM	-	AB-DC02**H**L-DC**B**L-QE 10
	End1: **(M)** MM | End2: **(B)** FM	AB-DC02**M**L-DC**B**L-QE 10	-
	End1: **(M)** MM | End2: **(F)** FF	AB-DC02**M**L-DC**F**L-QE 10	-
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF			
	End1: **(H)** MF | End2: **(B)** FM	-	AB-DC02**H**L-DC**B**R-QE 10
	End1: **(M)** MM | End2: **(F)** FF	AB-DC02**M**L-DC**F**R-QE 10	-
	End1: **(M)** MM | End2: **(B)** FM	AB-DC02**M**L-DC**B**R-QE 10	-

No of Contacts	2	
Rated Voltage (AC/DC)	300V	
Nominal Current	20A	
Plastic / Metal	Plastic	
Pin Assignment **MM** : Male Connector Male Contact **MF** : Male Connector Female Contact	MM	MF

Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated)

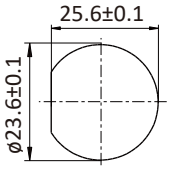
Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 8.0 ~ 10.0mm, (Yellow Seal) 10.0 ~ 12.0mm, (Blue Seal) 12.0 ~ 14.0mm



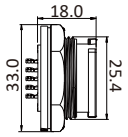
Solder Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-02B**MM**G-QL8APP *	DC-02B**MF**G-QL8APP *
	8.0 ~ 10.0mm Red Seal	DC-02B**MM**G-QL8SPP *	DC-02B**MF**G-QL8SPP *
	10.0 ~ 12.0mm Yellow Seal	DC-02B**MM**G-QL8MPP *	DC-02B**MF**G-QL8MPP *
	12.0 ~ 14.0mm Blue Seal	DC-02B**MM**G-QL8LPP *	DC-02B**MF**G-QL8LPP *
Screw-in Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-02B**MM**B-QL8APP	DC-02B**MF**B-QL8APP
	8.0 ~ 10.0mm Red Seal	DC-02B**MM**B-QL8SPP	DC-02B**MF**B-QL8SPP
	10.0 ~ 12.0mm Yellow Seal	DC-02B**MM**B-QL8MPP	DC-02B**MF**B-QL8MPP
	12.0 ~ 14.0mm Blue Seal	DC-02B**MM**B-QL8LPP	DC-02B**MF**B-QL8LPP
Push-in Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-02B**MM**E-QL8APP *	DC-02B**MF**E-QL8APP *
	8.0 ~ 10.0mm Red Seal	DC-02B**MM**E-QL8SPP *	DC-02B**MF**E-QL8SPP *
	10.0 ~ 12.0mm Yellow Seal	DC-02B**MM**E-QL8MPP *	DC-02B**MF**E-QL8MPP *
	12.0 ~ 14.0mm Blue Seal	DC-02B**MM**E-QL8LPP *	DC-02B**MF**E-QL8LPP *
Crimp Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-02B**MM**A-QL8APP	DC-02B**MF**A-QL8APP
	8.0 ~ 10.0mm Red Seal	DC-02B**MM**A-QL8SPP	DC-02B**MF**A-QL8SPP
	10.0 ~ 12.0mm Yellow Seal	DC-02B**MM**A-QL8MPP	DC-02B**MF**A-QL8MPP
	12.0 ~ 14.0mm Blue Seal	DC-02B**MM**A-QL8LPP	DC-02B**MF**A-QL8LPP
Crimp Type, For Power Group, Packing: Connector Without Contacts	All Seals	DC-02B**MM**A-QL8ANP	DC-02B**MF**A-QL8ANP
	8.0 ~ 10.0mm Red Seal	DC-02B**MM**A-QL8SNP	DC-02B**MF**A-QL8SNP
	10.0 ~ 12.0mm Yellow Seal	DC-02B**MM**A-QL8MNP	DC-02B**MF**A-QL8MNP
	12.0 ~ 14.0mm Blue Seal	DC-02B**MM**A-QL8LNP	DC-02B**MF**A-QL8LNP

***Upon Request**

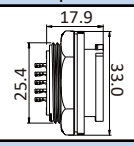
[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	**Panel Cut Out**	3		
Rated Voltage (AC/DC)	Circular Flange (D Cut)	300V		
Nominal Current		20A		50A
Plastic / Metal		Plastic		Plastic
Pin Assignment **MM** : Male Connector Male Contact **FF** : Female Connector Female Contact **MF** : Male Connector Female Contact **FM** : Female Connector Male Contact		MM	MF	MM

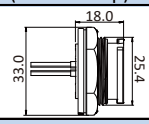
Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated)
Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm

	Solder Type (For Power Group)	DC-03P**MM**S-QC800P *	DC-03P**MF**S-QC800P	-
	180° PCB Type (For Power Group)	DC-03P**MM**P-QC800P *	DC-03P**MF**P-QC800P *	DM-03P**MM**P-QC800P *
	Crimp Type (For Power / Hybird Group)	-	-	DM-03P**MM**C-QC800P

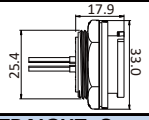
Receptacle, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated)
Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm

	Solder Type (For Power Group)	DC-03R**MM**S-QC800P	DC-03R**MF**S-QC800P	-
	Crimp Type (For Power Group)	-	-	DM-03R**MM**C-QC800P*

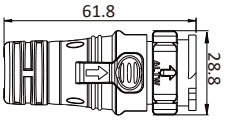
Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated)
11 Wire Length: (10) 100mm ~ (50) 500mm [1] | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	UL1015, PVC Jacket	DC-03P**MM**S-QC8B11 *	DC-03P**MF**S-QC8B11 *	DM-03P**MM**C-QC8B11 *

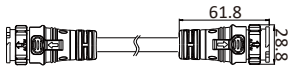
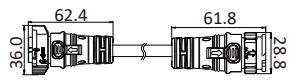
Receptacle With Wires, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated)
11 Wire Length: (10) 100mm ~ (50) 500mm [1] | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	UL1015, PVC Jacket	DC-03R**MM**S-QC8B11 *	DC-03R**MF**S-QC8B11 *	DM-03R**MM**C-QC8B11 *

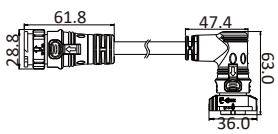
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)
11 Cable Length: (01) 1M ~ (99) 99M [1]

	UL2517, PVC Jacket (For Power / Hybird Group)	-	-	DM-03B**MM**M-QL8C11 *
	UL SJTW, PVC Jacket (For Power Group)	DC-03A**MM**M-QL8E11	DC-03A**MF**M-QL8E11 *	-

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF

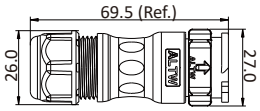
	End1: **(H)** MF | End2: **(H)** MF	-	AB-DC03**H**L-DC**H**L-QE10	-
	End1: **(M)** MM | End2: **(H)** MF	AB-DC03**M**L-DC**H**L-QE10	-	-
	End1: **(M)** MM | End2: **(M)** MM	AB-DC03**M**L-DC**M**L-QE10	-	AB-DM03**M**L-DM**M**L-QC10 *
	End1: **(H)** MF | End2: **(B)** FM	-	AB-DC03**H**L-DC**B**L-QE10	-
	End1: **(M)** MM | End2: **(B)** FM	AB-DC03**M**L-DC**B**L-QE10	-	-
	End1: **(M)** MM | End2: **(F)** FF	AB-DC03**M**L-DC**F**L-QE10	-	AB-DM03**M**L-DM**F**L-QC10 *

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF

	End1: **(H)** MF | End2: **(B)** FM	-	AB-DC03**H**L-DC**B**R-QE10	-
	End1: **(M)** MM | End2: **(F)** FF	AB-DC03**M**L-DC**F**R-QE10	-	AB-DM03**M**L-DM**F**R-QC10 *
	End1: **(M)** MM | End2: **(B)** FM	AB-DC03**M**L-DC**B**R-QE10	-	-

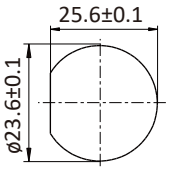
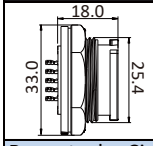
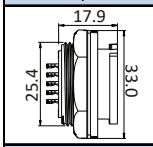
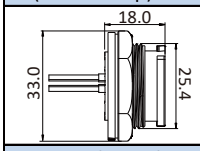
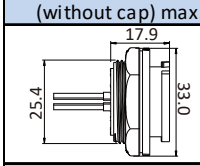
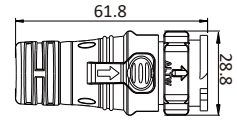
Large D Size

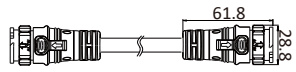
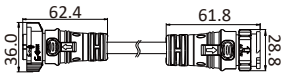
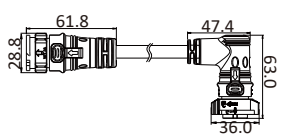
Mating Pair Page: **163~164**

No of Contacts			3		
Rated Voltage (AC/DC)			300V		
Nominal Current			20A		50A
Plastic / Metal			Plastic		Plastic
Pin Assignment **MM** : Male Connector Male Contact **MF** : Male Connector Female Contact			MM	MF	MM
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 8.0 ~ 10.0mm, (Yellow Seal) 10.0 ~ 12.0mm, (Blue Seal) 12.0 ~ 14.0mm					
	Solder Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-03B**MM**G-QL8APP *	DC-03B**MF**G-QL8APP *	DM-03B**MM**G-QL8APP *
		8.0 ~ 10.0mm Red Seal	DC-03B**MM**G-QL8SPP *	DC-03B**MF**G-QL8SPP *	DM-03B**MM**G-QL8SPP *
		10.0 ~ 12.0mm Yellow Seal	DC-03B**MM**G-QL8MPP *	DC-03B**MF**G-QL8MPP *	DM-03B**MM**G-QL8MPP *
		12.0 ~ 14.0mm Blue Seal	DC-03B**MM**G-QL8LPP *	DC-03B**MF**G-QL8LPP *	DM-03B**MM**G-QL8LPP *
	Screw-in Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-03B**MM**B-QL8APP	DC-03B**MF**B-QL8APP	DM-03B**MM**B-QL8APP *
		8.0 ~ 10.0mm Red Seal	DC-03B**MM**B-QL8SPP	DC-03B**MF**B-QL8SPP	DM-03B**MM**B-QL8SPP *
		10.0 ~ 12.0mm Yellow Seal	DC-03B**MM**B-QL8MPP	DC-03B**MF**B-QL8MPP	DM-03B**MM**B-QL8MPP *
		12.0 ~ 14.0mm Blue Seal	DC-03B**MM**B-QL8LPP	DC-03B**MF**B-QL8LPP	DM-03B**MM**B-QL8LPP *
	Push-in Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-03B**MM**E-QL8APP *	DC-03B**MF**E-QL8APP *	DM-03B**MM**E-QL8APP *
		8.0 ~ 10.0mm Red Seal	DC-03B**MM**E-QL8SPP *	DC-03B**MF**E-QL8SPP *	DM-03B**MM**E-QL8SPP *
		10.0 ~ 12.0mm Yellow Seal	DC-03B**MM**E-QL8MPP *	DC-03B**MF**E-QL8MPP *	DM-03B**MM**E-QL8MPP *
		12.0 ~ 14.0mm Blue Seal	DC-03B**MM**E-QL8LPP *	DC-03B**MF**E-QL8LPP *	DM-03B**MM**E-QL8LPP *
	Crimp Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-03B**MM**A-QL8APP	DC-03B**MF**A-QL8APP	DM-03B**MM**A-QL8APP *
		8.0 ~ 10.0mm Red Seal	DC-03B**MM**A-QL8SPP	DC-03B**MF**A-QL8SPP	DM-03B**MM**A-QL8SPP *
		10.0 ~ 12.0mm Yellow Seal	DC-03B**MM**A-QL8MPP	DC-03B**MF**A-QL8MPP	DM-03B**MM**A-QL8MPP *
		12.0 ~ 14.0mm Blue Seal	DC-03B**MM**A-QL8LPP	DC-03B**MF**A-QL8LPP	DM-03B**MM**A-QL8LPP *
	Crimp Type, For Power Group, Packing: Connector Without Contacts	All Seals	DC-03B**MM**A-QL8ANP	DC-03B**MF**A-QL8ANP	-
		8.0 ~ 10.0mm Red Seal	DC-03B**MM**A-QL8SNP	DC-03B**MF**A-QL8SNP	-
		10.0 ~ 12.0mm Yellow Seal	DC-03B**MM**A-QL8MNP	DC-03B**MF**A-QL8MNP	-
		12.0 ~ 14.0mm Blue Seal	DC-03B**MM**A-QL8LNP	DC-03B**MF**A-QL8LNP	-

***Upon Request**

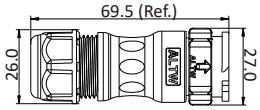
[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	**Panel Cut Out**	4	
Rated Voltage (AC/DC)	Circular Flange (D Cut)	300V	
Nominal Current		20A	
Plastic / Metal		Plastic	
Pin Assignment **MM** : Male Connector Male Contact **FF** : Female Connector Female Contact **MF** : Male Connector Female Contact **FM** : Female Connector Male Contact		MM	MF
Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm			
	Solder Type (For Power Group)	DC-04P**MM**S-QC800P	DC-04P**MF**S-QC800P*
	180° PCB Type (For Power Group)	DC-04P**MM**P-QC800P*	DC-04P**MF**P-QC800P*
Receptacle, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm			
	Solder Type (For Power Group)	DC-04R**MM**S-QC800P*	DC-04R**MF**S-QC800P*
Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm[1] | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm			
	UL1015, PVC Jacket	DC-04P**MM**S-QC8B 11*	DC-04P**MF**S-QC8B 11*
Receptacle With Wires, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm[1] | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm			
	UL1015, PVC Jacket	DC-04R**MM**S-QC8B 11*	DC-04R**MF**S-QC8B 11*
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M[1]			
	UL SJTW, PVC Jacket (For Power Group)	DC-04A**MM**M-QL8E 11	DC-04A**MF**M-QL8E 11*

STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF			
	End1: **(H)** MF | End2: **(H)** MF	-	AB-DC04**H**L-DC**H**L-QE 10*
	End1: **(M)** MM | End2: **(H)** MF	AB-DC04**M**L-DC**H**L-QE 10*	-
	End1: **(M)** MM | End2: **(M)** MM	AB-DC04**M**L-DC**M**L-QE 10*	-
	End1: **(H)** MF | End2: **(B)** FM	-	AB-DC04**H**L-DC**B**L-QE 10*
	End1: **(M)** MM | End2: **(B)** FM	AB-DC04**M**L-DC**B**L-QE 10*	-
	End1: **(M)** MM | End2: **(F)** FF	AB-DC04**M**L-DC**F**L-QE 10*	-
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF			
	End1: **(H)** MF | End2: **(B)** FM	-	AB-DC04**H**L-DC**B**R-QE 10*
	End1: **(M)** MM | End2: **(F)** FF	AB-DC04**M**L-DC**F**R-QE 10*	-
	End1: **(M)** MM | End2: **(B)** FM	AB-DC04**M**L-DC**B**R-QE 10*	-

Large D Size

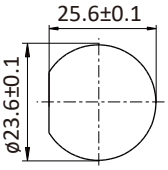
Mating Pair Page: **165~166**

No of Contacts			4	
Rated Voltage (AC/DC)			300V	
Nominal Current			20A	
Plastic / Metal			Plastic	
Pin Assignment **MM** : Male Connector Male Contact **MF** : Male Connector Female Contact			MM	MF
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 8.0 ~ 10.0mm, (Yellow Seal) 10.0 ~ 12.0mm, (Blue Seal) 12.0 ~ 14.0mm				
	Solder Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-04B**MM**G-QL8APP *	DC-04B**MF**G-QL8APP *
		8.0 ~ 10.0mm Red Seal	DC-04B**MM**G-QL8SPP *	DC-04B**MF**G-QL8SPP *
		10.0 ~ 12.0mm Yellow Seal	DC-04B**MM**G-QL8MPP *	DC-04B**MF**G-QL8MPP *
		12.0 ~ 14.0mm Blue Seal	DC-04B**MM**G-QL8LPP *	DC-04B**MF**G-QL8LPP *
	Screw-in Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-04B**MM**B-QL8APP	DC-04B**MF**B-QL8APP
		8.0 ~ 10.0mm Red Seal	DC-04B**MM**B-QL8SPP	DC-04B**MF**B-QL8SPP
		10.0 ~ 12.0mm Yellow Seal	DC-04B**MM**B-QL8MPP	DC-04B**MF**B-QL8MPP
		12.0 ~ 14.0mm Blue Seal	DC-04B**MM**B-QL8LPP	DC-04B**MF**B-QL8LPP
	Push-in Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-04B**MM**E-QL8APP *	DC-04B**MF**E-QL8APP *
		8.0 ~ 10.0mm Red Seal	DC-04B**MM**E-QL8SPP *	DC-04B**MF**E-QL8SPP *
		10.0 ~ 12.0mm Yellow Seal	DC-04B**MM**E-QL8MPP *	DC-04B**MF**E-QL8MPP *
		12.0 ~ 14.0mm Blue Seal	DC-04B**MM**E-QL8LPP *	DC-04B**MF**E-QL8LPP *
	Crimp Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-04B**MM**A-QL8APP *	DC-04B**MF**A-QL8APP *
		8.0 ~ 10.0mm Red Seal	DC-04B**MM**A-QL8SPP *	DC-04B**MF**A-QL8SPP *
		10.0 ~ 12.0mm Yellow Seal	DC-04B**MM**A-QL8MPP *	DC-04B**MF**A-QL8MPP *
		12.0 ~ 14.0mm Blue Seal	DC-04B**MM**A-QL8LPP *	DC-04B**MF**A-QL8LPP *
	Crimp Type, For Power Group, Packing: Connector Without Contacts	All Seals	DC-04B**MM**A-QL8ANP *	DC-04B**MF**A-QL8ANP *
		8.0 ~ 10.0mm Red Seal	DC-04B**MM**A-QL8SNP *	DC-04B**MF**A-QL8SNP *
		10.0 ~ 12.0mm Yellow Seal	DC-04B**MM**A-QL8MNP *	DC-04B**MF**A-QL8MNP *
		12.0 ~ 14.0mm Blue Seal	DC-04B**MM**A-QL8LNP *	DC-04B**MF**A-QL8LNP *

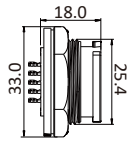
***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	**Panel Cut Out**	4 (3+1)			
Rated Voltage (AC/DC)	Circular Flange (D Cut)	300V			
Nominal Current		20A+5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment **MM** : Male Connector Male Contact **MF** : Male Connector Female Contact		MM	MF	MM	MF

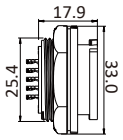


Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated)
Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm



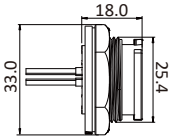
Solder Type (For Hybrid Group)	DCD-04P**MM**S-QC8001*	DCD-04P**MF**S-QC8001*	DSCD-04P**MM**S-QC8001*	DSCD-04P**MF**S-QC8001*
180° PCB Type (For Hybrid Group)	DCD-04P**MM**P-QC8001*	DCD-04P**MF**P-QC8001*	DSCD-04P**MM**P-QC8001*	DSCD-04P**MF**P-QC8001*

Receptacle, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated)
Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm



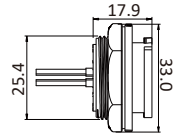
Solder Type (For Data Group)	DCD-04R**MM**S-QC8001*	DCD-04RMF S-QC8001*	DSCD-04R**MM**S-QC8001*	DSCD-04R**MF**S-QC8001*

Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated)
(11) Wire Length: (10) 100mm ~ (50) 500mm[1)] | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm



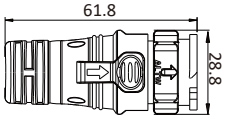
UL1015 + UL1430, PVC+XL-PVC Jacket	DCD-04P**MM**S-QC8C(11)*	DCD-04P**MF**S-QC8C(11)*	DSCD-04P**MM**S-QC8C(11)*	DSCD-04P**MF**S-QC8C(11)*

Receptacle With Wires, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated)
(11) Wire Length: (10) 100mm ~ (50) 500mm[1)] | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

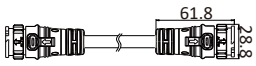
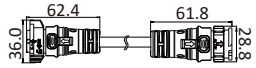
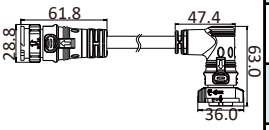


UL1015 + UL1430, PVC+XL-PVC Jacket	DCD-04R**MM**S-QC8C(11)*	DCD-04R**MF**S-QC8C(11)*	DSCD-04R**MM**S-QC8C(11)*	DSCD-04R**MF**S-QC8C(11)*

STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)
(11) Cable Length: (01) 1M ~ (99) 99M[1)]



UL2517, PVC Jacket (For Hybrid Group)	DCD-04A**MM**M-QL8C(11)*	DCD-04A**MF**M-QL8C(11)*	DSCD-04A**MM**M-QL8C(11)*	DSCD-04A**MF**M-QL8C(11)*

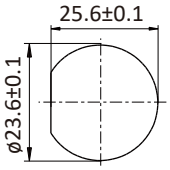
No of Contacts		4 (3+1)			
Rated Voltage (AC/DC)		300V			
Nominal Current		20A+5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment **MM** : Male Connector Male Contact **FF** : Female Connector Female Contact **MF** : Male Connector Female Contact **FM** : Female Connector Male Contact **M+F**: Male PWR + Female GND, **F+M**: Female PWR + Male GND					
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF, **(W)** F/F+M, **(X)** F/M+F, **(U)** M/F+M, (**V**) M/M+F					
	End1: **(H)** MF | End2: **(H)** MF	-	AB-DCD04**H**L-DCD**H**L-QC10*	-	AB-DSCD04**H**L-DSCD**H**L-QC10*
	End1: **(M)** MM | End2: **(H)** MF	AB-DCD04**M**L-DCD**H**L-QC10*	-	AB-DSCD04**M**L-DSCD**H**L-QC10*	-
	End1: **(M)** MM | End2: **(M)** MM	AB-DCD04**M**L-DCD**M**L-QC10*	-	AB-DSCD04**M**L-DSCD**M**L-QC10*	-
	End1: **(V)** M/M+F | End2: **(V)** M/M+F	-	AB-DCD04**V**L-DCD**V**L-QC10*	-	AB-DSCD04**V**L-DSCD**V**L-QC10*
	End1: **(V)** M/M+F | End2: **(U)** M/M+F	-	AB-DCD04**V**L-DCD**U**L-QC10*	-	AB-DSCD04**V**L-DSCD**U**L-QC10*
	End1: **(U)** M/F+M | End2: **(U)** M/F+M	AB-DCD04**U**L-DCD**U**L-QC10*	-	AB-DSCD04**U**L-DSCD**U**L-QC10*	-
	End1: **(U)** M/F+M | End2: **(X)** F/M+F	AB-DCD04**U**L-DCD**X**L-QC10*	-	AB-DSCD04**U**L-DSCD**X**L-QC10*	-
	End1: **(H)** MF | End2: **(B)** FM	-	AB-DCD04**H**L-DCD**B**L-QC10*	-	AB-DSCD04**H**L-DSCD**B**L-QC10*
	End1: **(M)** MM | End2: **(B)** FM	AB-DCD04**M**L-DCD**B**L-QC10*	-	AB-DSCD04**M**L-DSCD**B**L-QC10*	-
	End1: **(M)** MM | End2: **(B)** FM	AB-DCD04**M**L-DCD**F**L-QC10*	-	AB-DSCD04**M**L-DSCD**F**L-QC10*	-
	End1: **(V)** M/M+F | End2: **(W)** F/F+M	-	AB-DCD04**V**L-DCD**W**L-QC10*	-	AB-DSCD04**V**L-DSCD**W**L-QC10*
	End1: **(V)** M/M+F | End2: **(X)** F/M+F	-	AB-DCD04**V**L-DCD**X**L-QC10*	-	AB-DSCD04**V**L-DSCD**X**L-QC10*
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF, **(W)** F/F+M, **(X)** F/M+F, **(U)** M/F+M, (**V**) M/M+F					
	End1: **(H)** MF | End2: **(B)** FM	-	AB-DCD04**H**L-DCD**B** R-QC10*	-	AB-DSCD04**H**L-DSCD **B**R-QC10*
	End1: **(M)** MM | End2: **(F)** FF	AB-DCD04**M**L-DCD **F**R-QC10*	-	AB-DSCD04**M**L-DSCD**B**R-QC10*	-
	End1: **(M)** MM | End2: **(B)** FM	AB-DCD04**M**L-DCD **B**R-QC10*	-	AB-DSCD04**M**L-DSCD **F**R-QC10*	-
	End1: **(U)** M/F+M | End2: **(X)** F/M+F	AB-DCD04**U**L-DCD **X**R-QC10*	-	AB-DSCD04**U**L-DSCD**X**R-QC10*	-
	End1: **(V)** M/M+F | End2: **(W)** F/F+M	-	AB-DCD04**V**L-DCD **W**R-QC10*	-	AB-DSCD04**V**L-DSCD **W**R-QC10*
	End1: **(V)** M/M+F | End2: **(X)** F/M+F	AB-DCD04**V**L-DCD **X**R-QC10*	AB-DCD04**V**L-DCD **X**R-QC10*	AB-DSCD04**V**L-DSCD**X**R-QC10*	AB-DSCD04**V**L-DSCD **X**R-QC10*

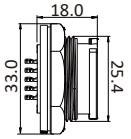
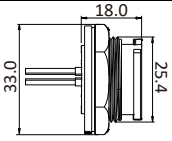
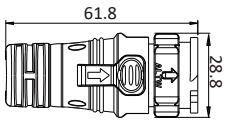
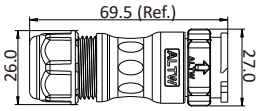
***Upon Request**

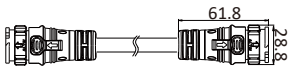
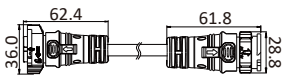
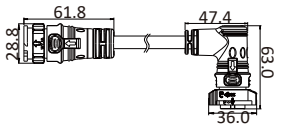
[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

Large D Size

Mating Pair Page: **168**

No of Contacts	**Panel Cut Out** Circular Flange (D Cut) 	4 (3+1)	
Rated Voltage (AC/DC)		300V	
Nominal Current		50A+5A	
Plastic / Metal		Plastic	Metal
Pin Assignment **MM**: Male Connector Male Contact **FF**: Female Connector Female Contact		MM	MM

Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm			
	Crimp Type (For Power / Hybird Group)	DMD-04P**MM**C-QC8001*	DSMD-04P**MM**C-QC8001*
	180° PCB Type (For Hybrid Group)	DMD-04P**MM**P-QC8001*	DSMD-04P**MM**P-QC8001*
Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) (11) Wire Length: (10) 100mm ~ (50) 500mm [1] | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm			
	UL1015 + UL1430, PVC+XL-PVC Jacket	DMD-04P**MM**C-QC8C(11)*	DSMD-04P**MM**C-QC8C(11)*
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) (11) Cable Length: (01) 1M ~ (99) 99M [1]			
	UL21996, PVC Jacket (For Hybrid Group)	DMD-04B**MM**M-QL8F(11)*	DSMD-04B**MM**M-QL8F(11)*
	UL2517, PVC Jacket (For Power / Hybrid Group)	DMD-04B**MM**M-QL8C(11)*	DSMD-04B**MM**M-QL8C(11)*
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 8.0 ~ 10.0mm, (Yellow Seal) 10.0 ~ 12.0mm, (Blue Seal) 12.0 ~ 14.0mm			
	Crimp Type, For Power Group, Packing: Connector With Contacts	All Seals	DMD-04B**MM**A-QL8APP* / DSMD-04B**MM**A-QL8APP*
		8.0 ~ 10.0mm Red Seal	DMD-04B**MM**A-QL8SPP* / DSMD-04B**MM**A-QL8SPP*
		10.0 ~ 12.0mm Yellow Seal	DMD-04B**MM**A-QL8MPP* / DSMD-04B**MM**A-QL8MPP*
		12.0 ~ 14.0mm Blue Seal	DMD-04B**MM**A-QL8LPP* / DSMD-04B**MM**A-QL8LPP*

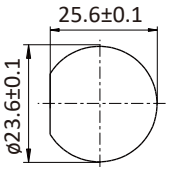
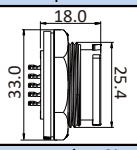
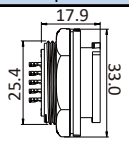
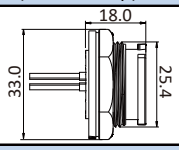
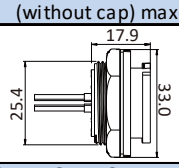
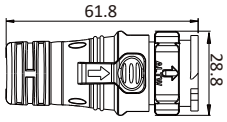
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) (10) Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF			
	End1: **(M)** MM | End2: **(M)** MM	AB-DMD04**M**L-DMD**M**L-QC(10)*	AB-DSMD04**M**L-DSMD**M**L-QC(10)*
	End1: **(M)** MM | End2: **(F)** FF	AB-DMD04**M**L-DMD**F**L-QC(10)*	AB-DSMD04**M**L-DSMD**F**L-QC(10)*
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) (10) Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF			
	End1: **(M)** MM | End2: **(F)** FF	AB-DMD04**M**L-DMD**F**R-QC(10)*	AB-DSMD04**M**L-DSMD**F**R-QC(10)*

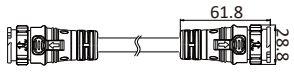
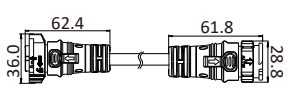
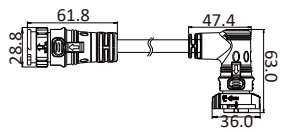
*Upon Request

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

Large D Size

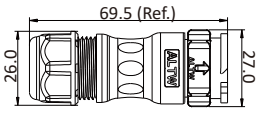
Mating Pair Page: **169~170**

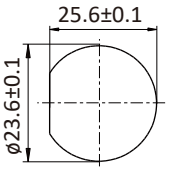
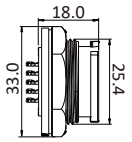
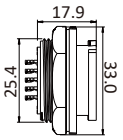
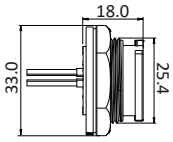
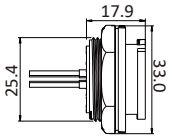
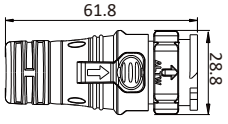
No of Contacts	**Panel Cut Out**	5	
Rated Voltage (AC/DC)	Circular Flange (D Cut)	300V	
Nominal Current		20A	
Plastic / Metal		Plastic	
Pin Assignment		MM	MF
MM : Male Connector Male Contact **FF** : Female Connector Female Contact **MF** : Male Connector Female Contact **FM** : Female Connector Male Contact			
Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm			
	Solder Type (For Power Group)	DC-05P**MM**S-QC800P	DC-05P**MF**S-QC800P
	180° PCB Type (For Power Group)	DC-05P**MM**P-QC800P *	DC-05P**MF**P-QC800P *
Receptacle, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm			
	Solder Type (For Power Group)	DC-05R**MM**S-QC800P	DC-05R**MF**S-QC800P
Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm [1] | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm			
	UL1015, PVC Jacket	DC-05P**MM**S-QC8B 11 *	DC-05P**MF**S-QC8B 11 *
Receptacle With Wires, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm [1] | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm			
	UL1015, PVC Jacket	DC-05R**MM**S-QC8B 11 *	DC-05R**MF**S-QC8B 11 *
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1]			
	UL SJTW, PVC Jacket (For Power Group)	DC-05A**MM**M-QL8E 11	DC-05A**MF**M-QL8E 11 *

STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF			
	End1: **(H)** MF | End2: **(H)** MF	-	AB-DC05**H**L-DC**H**L-QE 10
	End1: **(M)** MM | End2: **(H)** MF	AB-DC05**M**L-DC**H**L-QE 10	-
	End1: **(M)** MM | End2: **(M)** MM	AB-DC05**M**L-DC**M**L-QE 10	-
	End1: **(H)** MF | End2: **(B)** FM	-	AB-DC05**H**L-DC**B**L-QE 10
	End1: **(M)** MM | End2: **(B)** FM	AB-DC05**M**L-DC**B**L-QE 10	-
	End1: **(M)** MM | End2: **(F)** FF	AB-DC05**M**L-DC**F**L-QE 10	-
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF			
	End1: **(H)** MF | End2: **(B)** FM		AB-DC05**H**L-DC**B**R-QE 10
	End1: **(M)** MM | End2: **(F)** FF	AB-DC05**M**L-DC**F**R-QE 10	-
	End1: **(M)** MM | End2: **(B)** FM	AB-DC05**M**L-DC**B**R-QE 10	-

Large D Size

Mating Pair Page: **169~170**

No of Contacts			5	
Rated Voltage (AC/DC)			300V	
Nominal Current			20A	
Plastic / Metal			Plastic	
Pin Assignment **MM** : Male Connector Male Contact **MF** : Male Connector Female Contact			MM	MF
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 8.0 ~ 10.0mm, (Yellow Seal) 10.0 ~ 12.0mm, (Blue Seal) 12.0 ~ 14.0mm				
	Solder Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-05B**MM**G-QL8APP *	DC-05B**MF**G-QL8APP *
		8.0 ~ 10.0mm Red Seal	DC-05B**MM**G-QL8SPP *	DC-05B**MF**G-QL8SPP *
		10.0 ~ 12.0mm Yellow Seal	DC-05B**MM**G-QL8MPP *	DC-05B**MF**G-QL8MPP *
		12.0 ~ 14.0mm Blue Seal	DC-05B**MM**G-QL8LPP *	DC-05B**MF**G-QL8LPP *
	Screw-in Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-05B**MM**B-QL8APP	DC-05B**MF**B-QL8APP
		8.0 ~ 10.0mm Red Seal	DC-05B**MM**B-QL8SPP	DC-05B**MF**B-QL8SPP
		10.0 ~ 12.0mm Yellow Seal	DC-05B**MM**B-QL8MPP	DC-05B**MF**B-QL8MPP
		12.0 ~ 14.0mm Blue Seal	DC-05B**MM**B-QL8LPP	DC-05B**MF**B-QL8LPP
	Push-in Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-05B**MM**E-QL8APP *	DC-05B**MF**E-QL8APP *
		8.0 ~ 10.0mm Red Seal	DC-05B**MM**E-QL8SPP *	DC-52B**MF**E-QL8SPP *
		10.0 ~ 12.0mm Yellow Seal	DC-05B**MM**E-QL8MPP *	DC-05B**MF**E-QL8MPP *
		12.0 ~ 14.0mm Blue Seal	DC-05B**MM**E-QL8LPP *	DC-05B**MF**E-QL8LPP *
	Crimp Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-05B**MM**A-QL8APP	DC-05B**MF**A-QL8APP
		8.0 ~ 10.0mm Red Seal	DC-05B**MM**A-QL8SPP	DC-05B**MF**A-QL8SPP
		10.0 ~ 12.0mm Yellow Seal	DC-05B**MM**A-QL8MPP	DC-05B**MF**A-QL8MPP
		12.0 ~ 14.0mm Blue Seal	DC-05B**MM**A-QL8LPP	DC-05B**MF**A-QL8LPP
	Crimp Type, For Power Group, Packing: Connector Without Contacts	All Seals	DC-05B**MM**A-QL8ANP	DC-05B**MF**A-QL8ANP
		8.0 ~ 10.0mm Red Seal	DC-05B**MM**A-QL8SNP	DC-05B**MF**A-QL8SNP
		10.0 ~ 12.0mm Yellow Seal	DC-05B**MM**A-QL8MNP	DC-05B**MF**A-QL8MNP
		12.0 ~ 14.0mm Blue Seal	DC-05B**MM**A-QL8LNP	DC-05B**MF**A-QL8LNP

No of Contacts	**Panel Cut Out**	5 (3+2)			
Rated Voltage (AC/DC)	Circular Flange (D Cut)	300V			
Nominal Current		20A+5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment **MM** : Male Connector Male Contact **MF** : Male Connector Female Contact		MM	MF	MM	MF
Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm					
	Solder Type (For Hybrid Group)	DCD-05P**MM**S-QC8001 *	DCD-05P**MF**S-QC8001 *	DSCD-05P**MM**S-QC8001 *	DSCD-05P**MF**S-QC8001 *
	180° PCB Type (For Hybrid Group)	DCD-05P**MM**P-QC8001 *	DCD-05P**MF**P-QC8001 *	DSCD-05P**MM**P-QC8001 *	DSCD-05P**MF**P-QC8001 *
Receptacle, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm					
	Solder Type (For Hybrid Group)	DCD-05R**MM**S-QC8001	DCD-05R**MF**S-QC8001	DSCD-05R**MM**S-QC8001 *	DSCD-05R**MF**S-QC8001 *
Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) (11) Wire Length: (10) 100mm ~ (50) 500mm [1] | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1015 + UL1430, PVC+XL-PVC Jacket	DCD-05P**MM**S-QC8C (11) *	DCD-05P**MF**S-QC8C (11) *	DSCD-05P**MM**S-QC8C (11) *	DSCD-05P**MF**S-QC8C (11) *
Receptacle With Wires, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated) (11) Wire Length: (10) 100mm ~ (50) 500mm [1] | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1015 + UL1430, PVC+XL-PVC Jacket	DCD-05R**MM**S-QC8C (11) *	DCD-05R**MF**S-QC8C (11) *	DSCD-05R**MM**S-QC8C (11) *	DSCD-05R**MF**S-QC8C (11) *
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) (11) Cable Length: (01) 1M ~ (99) 99M [1]					
	UL2517, PVC Jacket (For Hybrid Group)	DCD-05A**MM**M-QL8C (11) *	DCD-05A**MF**M-QL8C (11) *	DSCD-05A**MM**M-QL8C (11) *	DSCD-05A**MF**M-QL8C (11) *

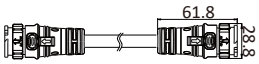
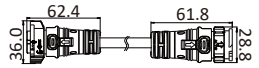
***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	5 (3+2)	
Rated Voltage (AC/DC)	300V	
Nominal Current	20A+5A	
Plastic / Metal	Plastic	Metal
Pin Assignment **MM** : Male Connector Male Contact, **FF**: Female Connector Female Contact **MF** : Male Connector Female Contact, **FM**: Female Connector Male Contact **M+F**: Male PWR + Female GND, **F+M**: Female PWR + Male GND		

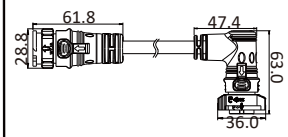
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF, **(W)** F/F+M, **(X)** F/M+F, **(U)** M/F+M, (**V**) M/M+F

	End1: **(H)** MF | End2: **(H)** MF	-	AB-DCD05**H**L-DCD**H**L-QC10*	-	AB-DSCD05**H**L-DSCD**H**L-QC10*
	End1: **(M)** MM | End2: **(H)** MF	AB-DCD05**M**L-DCD**H**L-QC10*	-	AB-DSCD05**M**L-DSCD**H**L-QC10*	-
	End1: **(M)** MM | End2: **(M)** MM	AB-DCD05**M**L-DCD**M**L-QC10*	-	AB-DSCD05**M**L-DSCD**M**L-QC10*	-
	End1: **(V)** M/M+F | End2: **(V)** M/M+F	-	AB-DCD05**V**L-DCD**V**L-QC10*	-	AB-DSCD05**V**L-DSCD**V**L-QC10*
	End1: **(V)** M/M+F | End2: **(U)** M/F+M	-	AB-DCD05**V**L-DCD**U**L-QC10*	-	AB-DSCD05**V**L-DSCD**U**L-QC10*
	End1: **(U)** M/F+M | End2: **(U)** M/F+M	AB-DCD05**U**L-DCD**U**L-QC10*	-	AB-DSCD05**U**L-DSCD**U**L-QC10*	-
	End1: **(U)** M/F+M | End2: **(X)** F/M+F	AB-DCD05**U**L-DCD**X**L-QC10*	-	AB-DSCD05**U**L-DSCD**X**L-QC10*	-
	End1: **(H)** MF | End2: **(B)** FM	-	AB-DCD05**H**L-DCD**B**L-QC10*	-	AB-DSCD05**H**L-DSCD**B**L-QC10*
	End1: **(M)** MM | End2: **(B)** FM	AB-DCD05**M**L-DCD**B**L-QC10*	-	AB-DSCD05**M**L-DSCD**B**L-QC10*	-
	End1: **(M)** MM | End2: **(F)** FF	AB-DCD05**M**L-DCD**F**L-QC10*	-	AB-DSCD05**M**L-DSCD**F**L-QC10*	-
	End1: **(V)** M/M+F | End2: **(W)** F/F+M	-	AB-DCD05**V**L-DCD**W**L-QC10*	-	AB-DSCD05**V**L-DSCD**W**L-QC10*
	End1: **(V)** M/M+F | End2: **(X)** F/M+F	-	AB-DCD05**V**L-DCD**X**L-QC10*	-	AB-DSCD05**V**L-DSCD**X**L-QC10*

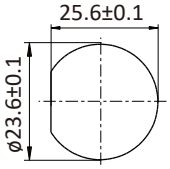
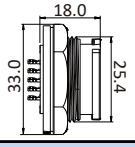
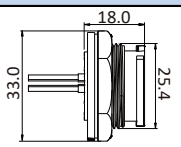
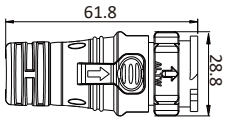
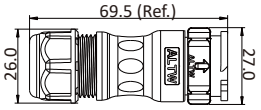
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

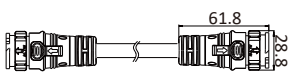
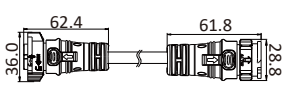
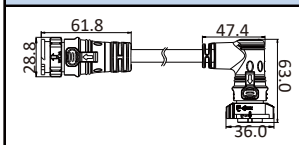
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF, **(W)** F/F+M, **(X)** F/M+F, **(U)** M/F+M, (**V**) M/M+F

	End1: **(H)** MF | End2: **(B)** FM	-	AB-DCD05**H**L-DCD**B**R-QC10*	-	AB-DSCD05**H**L-DSCD**B**R-QC10*
	End1: **(M)** MM | End2: **(F)** FF	AB-DCD05**M**L-DCD**F**R-QC10*	-	AB-DSCD05**M**L-DSCD**B**R-QC10*	-
	End1: **(M)** MM | End2: **(B)** FM	AB-DCD05**M**L-DCD**B**R-QC10*	-	AB-DSCD05**M**L-DSCD**F**R-QC10*	-
	End1: **(U)** M/F+M | End2: **(X)** F/M+F	AB-DCD05**U**L-DCD**X**R-QC10*	-	AB-DSCD05**U**L-DSCD**X**R-QC10*	-
	End1: **(V)** M/M+F | End2: **(W)** F/F+M	-	AB-DCD05**V**L-DCD**W**R-QC10*	-	AB-DSCD05**V**L-DSCD**W**R-QC10*
	End1: **(V)** M/M+F | End2: **(X)** F/M+F	AB-DCD05**V**L-DCD**X**R-QC10*	AB-DCD05**V**L-DCD**X**R-QC10*	AB-DSCD05**V**L-DSCD**X**R-QC10*	AB-DSCD05**V**L-DSCD**X**R-QC10*

Large D Size

Mating Pair Page: **172**

No of Contacts	**Panel Cut Out** Circular Flange (D Cut) 	5 (3+2)	
Rated Voltage (AC/DC)		300V	
Nominal Current		50A+5A	
Plastic / Metal		Plastic	Metal
Pin Assignment **MM**: Male Connector Male Contact **FF**: Female Connector Female Contact		MM	MM
Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm			
	Crimp Type (For Power / Hybird Group)	DMD-05P**MM**C-QC8001*	DSMD-05P**MM**C-QC8001*
	180° PCB Type (For Hybrid Group)	DMD-05P**MM**P-QC8001*	DSMD-05P**MM**P-QC8001*
Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm [1] | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm			
	UL1015 + UL1430, PVC+XL-PVC Jacket	DMD-05P**MM**C-QC8C11*	DSMD-05P**MM**C-QC8C11*
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1]			
	UL21996, PVC Jacket (For Hybrid Group)	DMD-05B**MM**M-QL8F11*	DSMD-05B**MM**M-QL8F11*
	UL2517, PVC Jacket (For Power / Hybrid Group)	DMD-05B**MM**M-QL8C11*	DSMD-05B**MM**M-QL8C11*
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 8.0 ~ 10.0mm, (Yellow Seal) 10.0 ~ 12.0mm, (Blue Seal) 12.0 ~ 14.0mm			
	Crimp Type, For Power Group, Packing: Connector With Contacts	All Seals	DMD-05B**MM**A-QL8APP* / DSMD-05B**MM**A-QL8APP*
		8.0 ~ 10.0mm Red Seal	DMD-05B**MM**A-QL8SPP* / DSMD-05B**MM**A-QL8SPP*
		10.0 ~ 12.0mm Yellow Seal	DMD-05B**MM**A-QL8MPP* / DSMD-05B**MM**A-QL8MPP*
		12.0 ~ 14.0mm Blue Seal	DMD-05B**MM**A-QL8LPP* / DSMD-05B**MM**A-QL8LPP*

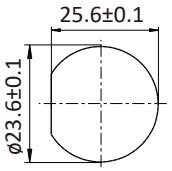
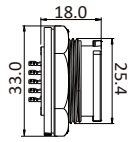
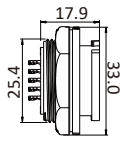
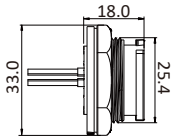
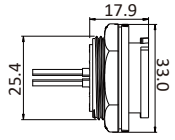
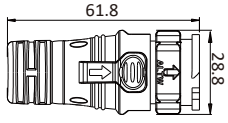
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF			
	End1: **(M)** MM | End2: **(M)** MM	AB-DMD05**M**L-DMD**M**L-QC10*	AB-DSMD05**M**L-DSMD**M**L-QC10*
	End1: **(M)** MM | End2: **(F)** FF	AB-DMD05**M**L-DMD**F**L-QC10*	AB-DSMD05**M**L-DSMD**F**L-QC10*
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF			
	End1: **(M)** MM | End2: **(F)** FF	AB-DMD05**M**L-DMD**F**R-QC10*	AB-DSMD05**M**L-DSMD**F**R-QC10*

***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

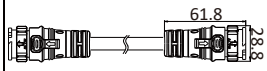
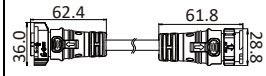
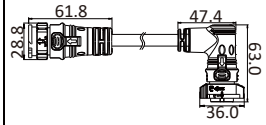
Large D Size

Mating Pair Page: **173~174**

No of Contacts	**Panel Cut Out**	6 (3+3)			
Rated Voltage (AC/DC)	Circular Flange (D Cut)	300V			
Nominal Current		20A+5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment **MM** : Male Connector Male Contact **MF** : Male Connector Female Contact		MM	MF	MM	MF
Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm					
	Solder Type (For Hybird Group)	DCD-06P**MM**S-QC8001	DCD-06P**MF**S-QC8001	DSCD-06P**MM**S-QC8001*	DSCD-06P**MF**S-QC8001*
	180° PCB Type (For Hybird Group)	DCD-06P**MM**P-QC8001*	DCD-06P**MF**P-QC8001*	DSCD-06P**MM**P-QC8001*	DSCD-06P**MF**P-QC8001*
Receptacle, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm					
	Solder Type (For Hybird Group)	DCD-06R**MM**S-QC8001*	DCD-06R**MF**S-QC8001*	DSCD-06R**MM**S-QC8001*	DSCD-06R**MF**S-QC8001*
Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) (11) Wire Length: (10) 100mm ~ (50) 500mm [1] | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1015 + UL1430, PVC+XL-PVC Jacket	DCD-06P**MM**S-QC8C(11)*	DCD-06P**MF**S-QC8C(11)*	DSCD-06P**MM**S-QC8C(11)*	DSCD-06P**MF**S-QC8C(11)*
Receptacle With Wires, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated) (11) Wire Length: (10) 100mm ~ (50) 500mm [1] | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1015 + UL1430, PVC+XL-PVC Jacket	DCD-06R**MM**S-QC8C(11)*	DCD-06R**MF**S-QC8C(11)*	DSCD-06R**MM**S-QC8C(11)*	DSCD-06R**MF**S-QC8C(11)*
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) (11) Cable Length: (01) 1M ~ (99) 99M [1]					
	UL2517, PVC Jacket (For Hybrid Group)	DCD-06A**MM**M-QL8C(11)	DCD-06A**MF**M-QL8C(11)	DSCD-06A**MM**M-QL8C(11)*	DSCD-06A**MF**M-QL8C(11)*

Large D Size

Mating Pair Page: **173~174**

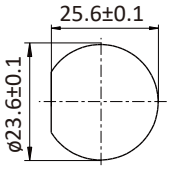
No of Contacts		6 (3+3)			
Rated Voltage (AC/DC)		300V			
Nominal Current		20A+5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment **MM** : Male Connector Male Contact **FF** : Female Connector Female Contact **MF** : Male Connector Female Contact **FM** : Female Connector Male Contact **M+F** : Male PWR + Female GND, **F+M**: Female PWR + Male GND					
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF , **(W)** F/F+M, **(X)** F/M+F, **(U)** M/F+M, (**V**) M/M+F					
	End1: **(H)** MF | End2: **(H)** MF	-	AB-DCD06**H**L-DCD**H**L-QC10*	-	AB-DSCD06**H**L-DSCD**H**L-QC10*
	End1: **(M)** MM | End2: **(H)** MF	AB-DCD06**M**L-DCD**H**L-QC10*	-	AB-DSCD06**M**L-DSCD**H**L-QC10*	-
	End1: **(M)** MM | End2: **(M)** MM	AB-DCD06**M**L-DCD**M**L-QC10*	-	AB-DSCD06**M**L-DSCD**M**L-QC10*	-
	End1: **(V)** M/M+F | End2: **(V)** M/M+F	-	AB-DCD06**V**L-DCD**V**L-QC10*	-	AB-DSCD06**V**L-DSCD**V**L-QC10*
	End1: **(V)** M/M+F | End2: **(U)** M/F+M	-	AB-DCD06**V**L-DCD**U**L-QC10*	-	AB-DSCD06**V**L-DSCD**U**L-QC10*
	End1: **(U)** M/F+M | End2: **(U)** M/F+M	AB-DCD06**U**L-DCD**U**L-QC10*	-	AB-DSCD06**U**L-DSCD**U**L-QC10*	-
	End1: **(U)** M/F+M | End2: **(X)** F/M+F	AB-DCD06**U**L-DCD**X**L-QC10*	-	AB-DSCD06**U**L-DSCD**X**L-QC10*	-
	End1: **(H)** MF | End2: **(B)** FM	-	AB-DCD06**H**L-DCD**B**L-QC10*	-	AB-DSCD06**H**L-DSCD**B**L-QC10*
	End1: **(M)** MM | End2: **(B)** FM	AB-DCD06**M**L-DCD**B**L-QC10*	-	AB-DSCD06**M**L-DSCD**B**L-QC10*	-
	End1: **(M)** MM | End2: **(F)** FF	AB-DCD06**M**L-DCD**F**L-QC10*	-	AB-DSCD06**M**L-DSCD**F**L-QC10*	-
	End1: **(V)** M/M+F | End2: **(W)** F/F+M	-	AB-DCD06**V**L-DCD**W**L-QC10*	-	AB-DSCD06**V**L-DSCD**W**L-QC10*
	End1: **(V)** M/M+F | End2: **(X)** F/M+FV	-	AB-DCD06**V**L-DCD**X**L-QC10*	-	AB-DSCD06**V**L-DSCD**X**L-QC10*
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF, **(W)** F/F+M, **(X)** F/M+F, **(U)** M/F+M, (**V**) M/M+F					
	End1: **(H)** MF | End2: **(B)** FM	-	AB-DCD06**H**L-DCD**B**R-QC10*	-	AB-DSCD06**H**L-DSCD**B**R-QC10*
	End1: **(M)** MM | End2: **(F)** FF	AB-DCD06**M**L-DCD**F**R-QC10*	-	AB-DSCD06**M**L-DSCD**B**R-QC10*	-
	End1: **(M)** MM | End2: **(B)** FM	AB-DCD06**M**L-DCD**B**R-QC10*	-	AB-DSCD06**M**L-DSCD**F**R-QC10*	-
	End1: **(U)** M/F+M | End2: **(X)** F/M+F	AB-DCD06**U**L-DCD**X**R-QC10*	-	AB-DSCD06**U**L-DSCD**X**R-QC10*	-
	End1: **(V)** M/M+F | End2: **(W)** F/F+M	-	AB-DCD06**V**L-DCD**W**R-QC10*	-	AB-DSCD06**V**L-DSCD**W**R-QC10*
	End1: **(V)** M/M+F | End2: **(X)** F/M+F	AB-DCD06**V**L-DCD**X**R-QC10*	AB-DCD06**V**L-DCD**X**R-QC10*	AB-DSCD06**V**L-DSCD**X**R-QC10*	AB-DSCD06**V**L-DSCD**X**R-QC10*

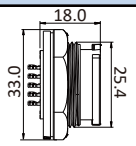
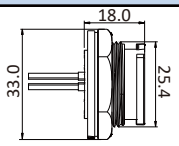
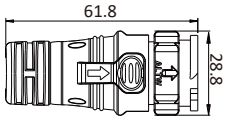
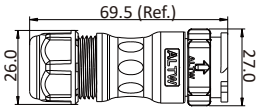
***Upon Request**

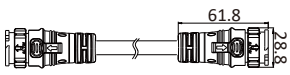
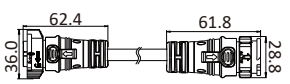
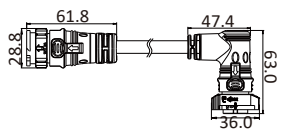
[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

Large D Size

Mating Pair Page: **175**

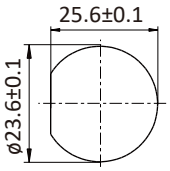
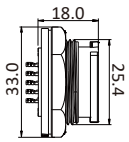
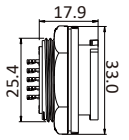
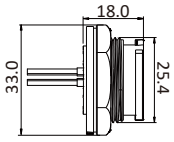
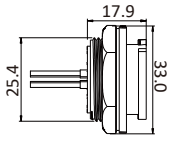
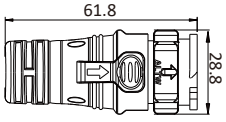
No of Contacts	**Panel Cut Out**	6 (3+3)	
Rated Voltage (AC/DC)	Circular Flange (D Cut)	300V	
Nominal Current		50A+5A	
Plastic / Metal		Plastic	Metal
Pin Assignment **MM**: Male Connector Male Contact **FF**: Female Connector Female Contact		MM	MM

Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm			
	Crimp Type (For Power / Hybird Group)	DMD-06P**MM**C-QC8001*	DSMD-06P**MM**C-QC8001*
	180° PCB Type (For Hybrid Group)	DMD-06P**MM**P-QC8001*	DSMD-06P**MM**P-QC8001*
Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm [1] | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm			
	UL1015 + UL1430, PVC+XL-PVC Jacket	DMD-06P**MM**C-QC8C11*	DSMD-06P**MM**C-QC8C11*
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1]			
	UL21996, PVC Jacket (For Hybrid Group)	DMD-06B**MM**M-QL8F11*	DSMD-06B**MM**M-QL8F11*
	UL2517, PVC Jacket (For Power / Hybrid Group)	DMD-06B**MM**M-QL8C11*	DSMD-06B**MM**M-QL8C11*
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 8.0 ~ 10.0mm, (Yellow Seal) 10.0 ~ 12.0mm, (Blue Seal) 12.0 ~ 14.0mm			
	Crimp Type, For Power Group, Packing: Connector With Contacts	All Seals	DMD-06B**MM**A-QL8APP* / DSMD-06B**MM**A-QL8APP*
		8.0 ~ 10.0mm Red Seal	DMD-06B**MM**A-QL8SPP* / DSMD-06B**MM**A-QL8SPP*
		10.0 ~ 12.0mm Yellow Seal	DMD-06B**MM**A-QL8MPP* / DSMD-06B**MM**A-QL8MPP*
		12.0 ~ 14.0mm Blue Seal	DMD-06B**MM**A-QL8LPP* / DSMD-06B**MM**A-QL8LPP*

STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF			
	End1: **(M)** MM | End2: **(M)** MM	AB-DMD06**M**L-DMD**M**L-QC10*	AB-DSMD06**M**L-DSMD**M**L-QC10*
	End1: **(M)** MM | End2: **(F)** FF	AB-DMD06**M**L-DMD**F**L-QC10*	AB-DSMD06**M**L-DSMD**F**L-QC10*
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF			
	End1: **(M)** MM | End2: **(F)** FF	AB-DMD06**M**L-DMD**F**R-QC10*	AB-DSMD06**M**L-DSMD**F**R-QC10*

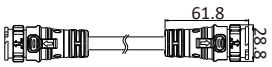
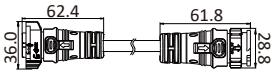
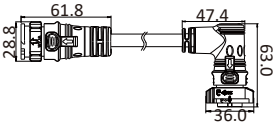
Large D Size

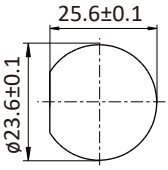
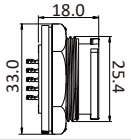
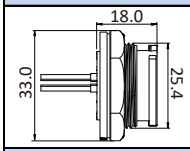
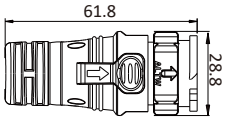
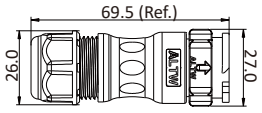
Mating Pair Page: **176**

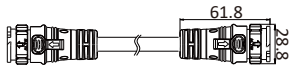
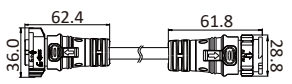
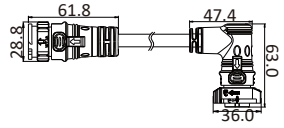
No of Contacts	**Panel Cut Out**	7 (3+4)			
Rated Voltage (AC/DC)	Circular Flange (D Cut)	300V			
Nominal Current		20A+5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment **MM** : Male Connector Male Contact **MF** : Male Connector Female Contact		MM	MF	MM	MF
Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm					
	Solder Type (For Hybird Group)	DCD-07P**MM**S-QC8001*	DCD-07P**MF**S-QC8001*	DSCD-07P**MM**S-QC8001*	DSCD-07P**MF**S-QC8001*
	180° PCB Type (For Hybird Group)	DCD-07P**MM**P-QC8001*	DCD-07P**MF**P-QC8001*	DSCD-07P**MM**P-QC8001*	DSCD-07P**MF**P-QC8001*
Receptacle, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm					
	Solder Type (For Hybird Group)	DCD-07R**MM**S-QC8001*	DCD-07R**MF**S-QC8001*	DSCD-07R**MM**S-QC8001*	DSCD-07R**MF**S-QC8001*
Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm[1] | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1015 + UL1430, PVC+XL-PVC Jacket	DCD-07P**MM**S-QC8C11*	DCD-07P**MF**S-QC8C11*	DSCD-07P**MM**S-QC8C11*	DSCD-07P**MF**S-QC8C11*
Receptacle With Wires, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm[1] | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1015 + UL1430, PVC+XL-PVC Jacket	DCD-07R**MM**S-QC8C11*	DCD-07R**MF**S-QC8C11*	DSCD-07R**MM**S-QC8C11*	DSCD-07R**MF**S-QC8C11*
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M[1]					
	UL21996, PVC Jacket (For Hybrid Group)	DCD-07A**MM**M-QL8F11*	DCD-07A**MF**M-QL8F11*	DSD-07A**MM**M-QL8F11*	DSD-07A**MF**M-QL8F11*

***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

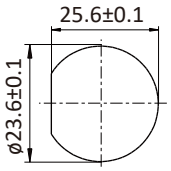
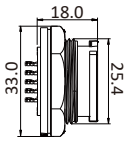
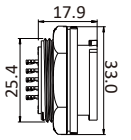
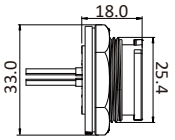
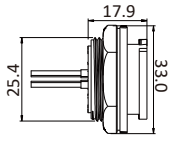
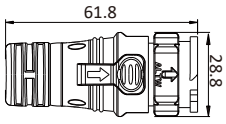
No of Contacts		7 (3+4)			
Rated Voltage (AC/DC)		300V			
Nominal Current		20A+5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment **MM** : Male Connector Male Contact **FF** : Female Connector Female Contact **MF** : Male Connector Female Contact **FM** : Female Connector Male Contact **M+F**: Male PWR + Female GND **F+M**: Female PWR + Male GND					
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF, **(W)** F/F+M, **(X)** F/M+F, **(U)** M/F+M, (**V**) M/M+F					
	End1: **(H)** MF | End2: **(H)** MF	-	AB-DCD07**H**L-DCD**H**L-QF10*	-	AB-DSCD07**H**L-DSCD**H**L-QF10*
	End1: **(M)** MM | End2: **(H)** MF	AB-DCD07**M**L-DCD**H**L-QF10*	-	AB-DSCD07**M**L-DSCD**H**L-QF10*	-
	End1: **(M)** MM | End2: **(M)** MM	AB-DCD07**M**L-DCD**M**L-QF10*	-	AB-DSCD07**M**L-DSCD**M**L-QF10*	-
	End1: **(V)** M/M+F | End2: **(V)** M/M+F	-	AB-DCD07**V**L-DCD**V**L-QF10*	-	AB-DSCD07**V**L-DSCD**V**L-QF10*
	End1: **(V)** M/M+F | End2: **(U)** M/F+M	-	AB-DCD07**V**L-DCD**U**L-QF10*	-	AB-DSCD07**V**L-DSCD**U**L-QF10*
	End1: **(U)** M/F+M | End2: **(U)** M/F+M	AB-DCD07**U**L-DCD**U**L-QF10*	-	AB-DSCD07**U**L-DSCD**U**L-QC10*	-
	End1: **(U)** M/F+M | End2: **(X)** F/M+F	AB-DCD07**U**L-DCD**X**L-QF10*	-	AB-DSCD07**U**L-DSCD**X**L-QC10*	-
	End1: **(H)** MF | End2: **(B)** FM	-	AB-DCD07**H**L-DCD**B**L-QF10*	-	AB-DSCD07**H**L-DSCD**B**L-QF10*
	End1: **(M)** MM | End2: **(B)** FM	AB-DCD07**M**L-DCD**B**L-QF10*	-	AB-DSCD07**M**L-DSCD**B**L-QF10*	-
	End1: **(M)** MM | End2: **(F)** FF	AB-DCD07**M**L-DCD**F**L-QF10*	-	AB-DSCD07**M**L-DSCD**F**L-QF10*	-
	End1: **(V)** M/M+F | End2: **(W)** F/F+M	-	AB-DCD07**V**L-DCD**W**L-QF10*	-	AB-DSCD07**V**L-DSCD**W**L-QF10*
	End1: **(V)** M/M+F | End2: **(X)** F/M+F	-	AB-DCD07**V**L-DCD**X**L-QF10*	-	AB-DSCD07**V**L-DSCD**X**L-QF10*
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF, **(W)** F/F+M, **(X)** F/M+F, **(U)** M/F+M, (**V**) M/M+F					
	End1: **(H)** MF | End2: **(B)** FM	-	AB-DCD07**H**L-DCD**B**R-QF10*	-	AB-DSCD07**H**L-DSCD**B**R-QF10*
	End1: **(M)** MM | End2: **(F)** FF	AB-DCD07**M**L-DCD**F**R-QF10*	-	AB-DSCD07**M**L-DSCD**B**R-QF10*	-
	End1: **(M)** MM | End2: **(B)** FM	AB-DCD07**M**L-DCD**B**R-QF10*	-	AB-DSCD07**M**L-DSCD**F**R-QF10*	-
	End1: **(U)** M/F+M | End2: **(X)** F/M+F	AB-DCD07**U**L-DCD**X**R-QF10*	-	AB-DSCD07**U**L-DSCD**X**R-QC10*	-
	End1: **(V)** M/M+F | End2: **(W)** F/F+M	-	AB-DCD07**V**L-DCD**W**R-QF10*	-	AB-DSCD07**V**L-DSCD**W**R-QF10*
	End1: **(V)** M/M+F | End2: **(X)** F/M+F	AB-DCD07**V**L-DCD**X**R-QF10*	AB-DCD07**V**L-DCD**X**R-QF10*	AB-DSCD07**V**L-DSCD**X**R-QC10*	AB-DSCD07**V**L-DSCD**X**R-QF10*

No of Contacts	**Panel Cut Out** Circular Flange (D Cut) 	7 (3+4)	
Rated Voltage (AC/DC)		300V	
Nominal Current		50A+5A	
Plastic / Metal		Plastic	Metal
Pin Assignment **MM**: Male Connector Male Contact **FF**: Female Connector Female Contact		MM	MM
Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm			
	Crimp Type (For Power / Hybird Group)	DMD-07P**MM**C-QC8001*	DSMD-07P**MM**C-QC8001*
	180° PCB Type (For Hybrid Group)	DMD-07P**MM**P-QC8001*	DSMD-07P**MM**P-QC8001*
Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm [1] | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm			
	UL1015 + UL1430, PVC+XL-PVC Jacket	DMD-07P**MM**C-QC8C11*	DSMD-07P**MM**C-QC8C11*
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1]			
	UL21996, PVC Jacket (For Hybrid Group)	DMD-07B**MM**M-QL8F11*	DSMD-07B**MM**M-QL8F11*
	UL2517, PVC Jacket (For Power / Hybrid Group)	DMD-07B**MM**M-QL8C11*	DSMD-07B**MM**M-QL8C11*
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 8.0 ~ 10.0mm, (Yellow Seal) 10.0 ~ 12.0mm, (Blue Seal) 12.0 ~ 14.0mm			
	Crimp Type, For Power Group, Packing: Connector With Contacts	All Seals	DMD-07B**MM**A-QL8APP* / DSMD-07B**MM**A-QL8APP*
		8.0 ~ 10.0mm Red Seal	DMD-07B**MM**A-QL8SPP* / DSMD-07B**MM**A-QL8SPP*
		10.0 ~ 12.0mm Yellow Seal	DMD-07B**MM**A-QL8MPP* / DSMD-07B**MM**A-QL8MPP*
		12.0 ~ 14.0mm Blue Seal	DMD-07B**MM**A-QL8LPP* / DSMD-07B**MM**A-QL8LPP*

STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF			
	End1: **(M)** MM | End2: **(M)** MM	AB-DMD07**M**L-DMD**M**L-QC10*	AB-DSMD07**M**L-DSMD**M**L-QC10*
	End1: **(M)** MM | End2: **(F)** FF	AB-DMD07**M**L-DMD**F**L-QC10*	AB-DSMD07**M**L-DSMD**F**L-QC10*
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF			
	End1: **(M)** MM | End2: **(F)** FF	AB-DMD07**M**L-DMD**F**R-QC10*	AB-DSMD07**M**L-DSMD**F**R-QC10*

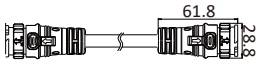
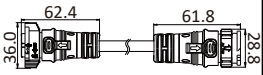
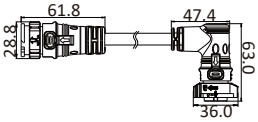
*Upon Request

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	**Panel Cut Out**	8 (3+5)			
Rated Voltage (AC/DC)	Circular Flange (D Cut)	300V			
Nominal Current		20A+5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment **MM** : Male Connector Male Contact **MF** : Male Connector Female Contact		MM	MF	MM	MF
Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm					
	Solder Type (For Hybrid Group)	DCD-08P**MM**S-QC8001 *	DCD-08P**MF**S-QC8001 *	DSCD-08P**MM**S-QC8001 *	DSCD-08P**MF**S-QC8001 *
	180° PCB Type (For Hybrid Group)	DCD-08P**MM**P-QC8001 *	DCD-08P**MF**P-QC8001 *	DSCD-08P**MM**P-QC8001 *	DSCD-08P**MF**P-QC8001 *
Receptacle, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm					
	Solder Type (For Hybrid Group)	DCD-08R**MM**S-QC8001 *	DCD-08R**MF**S-QC8001 *	DSCD-08R**MM**S-QC8001*	DSCD-08R**MF**S-QC8001*
Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm [1] | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1015 + UL1430, PVC+XL-PVC Jacket	DCD-08P**MM**S-QC8C11 *	DCD-08P**MF**S-QC8C11 *	DSCD-08P**MM**S-QC8C11 *	DSCD-08P**MF**S-QC8C11 *
Receptacle With Wires, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm [1] | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1015 + UL1430, PVC+XL-PVC Jacket	DCD-08R**MM**S-QC8C11 *	DCD-08R**MF**S-QC8C11 *	DSCD-08R**MM**S-QC8C11 *	DSCD-08R**MF**S-QC8C11 *
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1]					
	UL21996, PVC Jacket (For Hybrid Group)	DCD-08A**MM**M-QL8F11 *	DCD-08A**MF**M-QL8F11 *	DSCD-08A**MM**M-QL8F11 *	DSCD-08A**MF**M-QL8F11 *

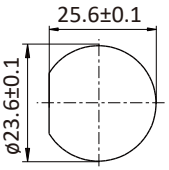
Large D Size

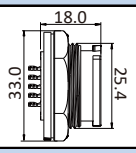
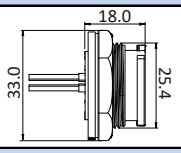
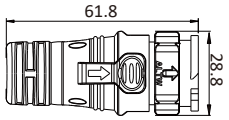
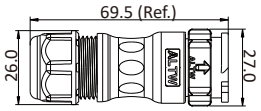
Mating Pair Page: **178**

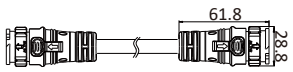
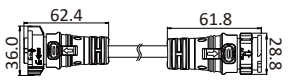
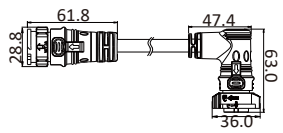
No of Contacts		8 (3+5)			
Rated Voltage (AC/DC)		300V			
Nominal Current		20A+5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment **MM** : Male Connector Male Contact **FF** : Female Connector Female Contact **MF** : Male Connector Female Contact **FM** : Female Connector Male Contact **M+F** : Male PWR + Female GND, **F+M**: Female PWR + Male GND					
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF, **(W)** F/F+M, **(X)** F/M+F, **(U)** M/F+M, (**V**) M/M+F					
	End1: **(H)** MF | End2: **(H)** MF	-	AB-DCD08**H**L-DCD**H**L-QF 10*	-	AB-DSCD08**H**L-DSCD**H**L-QF 10*
	End1: **(M)** MM | End2: **(H)** MF	AB-DCD08**M**L-DCD**H**L-QF 10*	-	AB-DSCD08**M**L-DSCD**H**L-QF 10*	-
	End1: **(M)** MM | End2: **(M)** MM	AB-DCD08**M**L-DCD**M**L-QF 10*	-	AB-DSCD08**M**L-DSCD**M**L-QF 10*	-
	End1: **(V)** M/M+F | End2: **(V)** M/M+F	-	AB-DCD08**V**L-DCD**V**L-QF 10*	-	AB-DSCD08**V**L-DSCD**V**L-QF 10*
	End1: **(V)** M/M+F | End2: **(U)** M/F+M	-	AB-DCD08**V**L-DCD**U**L-QF 10*	-	AB-DSCD08**V**L-DSCD**U**L-QF 10*
	End1: **(U)** M/F+M | End2: **(U)** M/F+M	AB-DCD08**U**L-DCD**U**L-QF 10*	-	AB-DSCD08**U**L-DSCD**U**L-QC 10*	-
	End1: **(U)** M/F+M | End2: **(X)** F/M+F	AB-DCD08**U**L-DCD**X**L-QF 10*	-	AB-DSCD08**U**L-DSCD**X**L-QC 10*	-
	End1: **(H)** MF | End2: **(B)** FM	-	AB-DCD08**H**L-DCD**B**L-QF 10*	-	AB-DSCD08**H**L-DSCD**B**L-QF 10*
	End1: **(M)** MM | End2: **(B)** FM	AB-DCD08**M**L-DCD**B**L-QF 10*	-	AB-DSCD08**M**L-DSCD**B**L-QF 10*	-
	End1: **(M)** MM | End2: **(F)** FF	AB-DCD08**M**L-DCD**F**L-QF 10*	-	AB-DSCD08**M**L-DSCD**F**L-QF 10*	-
	End1: **(V)** M/M+F | End2: **(W)** F/F+M	-	AB-DCD08**V**L-DCD**W**L-QF 10*	-	AB-DSCD08**V**L-DSCD**W**L-QF 10*
	End1: **(V)** M/M+F | End2: **(X)** F/M+F	-	AB-DCD08**V**L-DCD**X**L-QF 10*	-	AB-DSCD08**V**L-DSCD**X**L-QF 10*
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF, **(W)** F/F+M, **(X)** F/M+F, **(U)** M/F+M, (**V**) M/M+F					
	End1: **(H)** MF | End2: **(B)** FM	-	AB-DCD08**H**L-DCD**B**R-QF 10*	-	AB-DSCD08**H**L-DSCD**B**R-QF 10*
	End1: **(M)** MM | End2: **(F)** FF	AB-DCD08**M**L-DCD**F**R-QF 10*	-	AB-DSCD08**M**L-DSCD**B**R-QF 10*	-
	End1: **(M)** MM | End2: **(B)** FM	AB-DCD08**M**L-DCD**B**R-QF 10*	-	AB-DSCD08**M**L-DSCD**F**R-QF 10*	-
	End1: **(U)** M/F+M | End2: **(X)** F/M+F	AB-DCD08**U**L-DCD**X**R-QF 10*	-	AB-DSCD08**U**L-DSCD**X**R-QC 10*	-
	End1: **(V)** M/M+F | End2: **(W)** F/F+M	-	AB-DCD08**V**L-DCD**W**R-QF 10*	-	AB-DSCD08**V**L-DSCD**W**R-QF 10*
	End1: **(V)** M/M+F | End2: **(X)** F/M+F	AB-DCD08**V**L-DCD**X**R-QF 10*	AB-DCD08**V**L-DCD**X**R-QF 10*	AB-DSCD08**V**L-DSCD**X**R-QC 10*	AB-DSCD08**V**L-DSCD**X**R-QF 10*

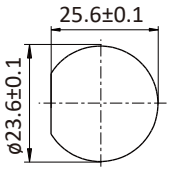
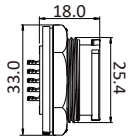
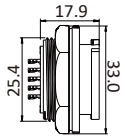
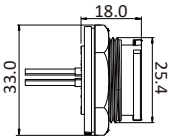
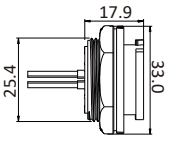
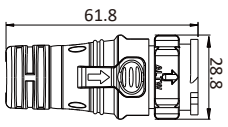
***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	**Panel Cut Out**	8 (3+5)	
Rated Voltage (AC/DC)		300V	
Nominal Current		50A+5A	
Plastic / Metal		Plastic	Metal
Pin Assignment **MM**: Male Connector Male Contact **FF**: Female Connector Female Contact	Circular Flange (D Cut) 	MM	MM

Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm			
	Crimp Type (For Power / Hybird Group)	DMD-08P**MM**C-QC8001*	DSMD-08P**MM**C-QC8001*
	180° PCB Type (For Hybrid Group)	DMD-08P**MM**P-QC8001*	DSMD-08P**MM**P-QC8001*
Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm [1] | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm			
	UL1015 + UL1430, PVC+XL-PVC Jacket	DMD-08P**MM**C-QC8C11*	DSMD-08P**MM**C-QC8C11*
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1]			
	UL21996, PVC Jacket (For Hybrid Group)	DMD-08B**MM**M-QL8F11*	DSMD-08B**MM**M-QL8F11*
	UL2517, PVC Jacket (For Power / Hybrid Group)	DMD-08B**MM**M-QL8C11*	DSMD-08B**MM**M-QL8C11*
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 8.0 ~ 10.0mm, (Yellow Seal) 10.0 ~ 12.0mm, (Blue Seal) 12.0 ~ 14.0mm			
	Crimp Type, For Power Group, Packing: Connector With Contacts	All Seals	DMD-08B**MM**A-QL8APP* / DSMD-08B**MM**A-QL8APP*
		8.0 ~ 10.0mm Red Seal	DMD-08B**MM**A-QL8SPP* / DSMD-08B**MM**A-QL8SPP*
		10.0 ~ 12.0mm Yellow Seal	DMD-08B**MM**A-QL8MPP* / DSMD-08B**MM**A-QL8MPP*
		12.0 ~ 14.0mm Blue Seal	DMD-08B**MM**A-QL8LPP* / DSMD-08B**MM**A-QL8LPP*

STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF			
	End1: **(M)** MM | End2: **(M)** MM	AB-DMD08**M**L-DMD**M**L-QC10*	AB-DSMD08**M**L-DSMD**M**L-QC10*
	End1: **(M)** MM | End2: **(F)** FF	AB-DMD08**M**L-DMD**F**L-QC10*	AB-DSMD08**M**L-DSMD**F**L-QC10*
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF			
	End1: **(M)** MM | End2: **(F)** FF	AB-DMD08**M**L-DMD**F**R-QC10*	AB-DSMD08**M**L-DSMD**F**R-QC10*

No of Contacts	**Panel Cut Out**	9 (3+6)			
Rated Voltage (AC/DC)	Circular Flange (D Cut)	300V			
Nominal Current		20A+5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment **MM** : Male Connector Male Contact **MF** : Male Connector Female Contact		MM	MF	MM	MF
Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm					
	Solder Type, (For Hybrid Group)	DCD-09P**MM**S-QC8001*	DCD-09P**MF**S-QC8001*	DSCD-09P**MM**S-QC8001*	DSCD-09P**MF**S-QC8001*
	180° PCB Type, (For Hybrid Group)	DCD-09P**MM**P-QC8001*	DCD-09P**MF**P-QC8001*	DSCD-09P**MM**P-QC8001*	DSCD-09P**MF**P-QC8001*
Receptacle, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm					
	Solder Type, (For Hybrid Group)	DCD-09R**MM**S-QC8001*	DCD-09R**MF**S-QC8001*	DSCD-09R**MM**S-QC8001*	DSCD-09R**MF**S-QC8001*
Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm[1] | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1015 + UL1430, PVC+XL-PVC Jacket	DCD-09P**MM**S-QC8C11*	DCD-09P**MF**S-QC8C11*	DSCD-09P**MM**S-QC8C11*	DSCD-09P**MF**S-QC8C11*
Receptacle With Wires, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm[1] | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1015 + UL1430, PVC+XL-PVC Jacket	DCD-09R**MM**S-QC8C11*	DCD-09R**MF**S-QC8C11*	DSCD-09R**MM**S-QC8C11*	DSCD-09R**MF**S-QC8C11*
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M[1]					
	UL21996, PVC Jacket (For Hybrid Group)	DCD-09A**MM**M-QL8F11*	DCD-09A**MF**M-QL8F11*	DSCD-09A**MM**M-QL8F11*	DSCD-09A**MF**M-QL8F11*

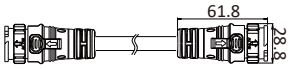
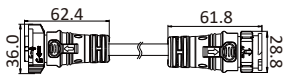
***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	9 (3+6)	
Rated Voltage (AC/DC)	300V	
Nominal Current	20A+5A	
Plastic / Metal	Plastic	Metal
Pin Assignment **MM** : Male Connector Male Contact **FF** : Female Connector Female Contact **MF** : Male Connector Female Contact **FM** : Female Connector Male Contact **M+F** : Male PWR + Female GND **F+M**: Female PWR + Male GND		

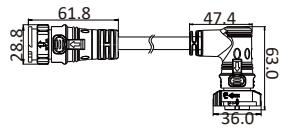
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

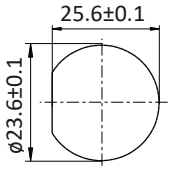
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF **(W)** F/F+M, **(X)** F/M+F, **(U)** M/F+M, **(V)** M/M+F

	End1: **(H)** MF | End2: **(H)** MF	-	AB-DCD09**H**L-DCD**H**L-QF 10*	-	AB-DSCD09**H**L-DSCD**H**L-QF 10*
	End1: **(M)** MM | End2: **(H)** MF	AB-DCD09**M**L-DCD**H**L-QF 10*		AB-DSCD09**M**L-DSCD**H**L-QF 10*	-
	End1: **(M)** MM | End2: **(M)** MM	AB-DCD09**M**L-DCD**M**L-QF 10*		AB-DSCD09**M**L-DSCD**M**L-QF 10*	-
	End1: **(V)** M/M+F | End2: **(V)** M/M+F	-	AB-DCD09**V**L-DCD**V**L-QF 10*	-	AB-DSCD09**V**L-DSCD**V**L-QF 10*
	End1: **(V)** M/M+F | End2: **(U)** M/F+M	-	AB-DCD09**V**L-DCD**U**L-QF 10*	-	AB-DSCD09**V**L-DSCD**U**L-QF 10*
	End1: **(U)** M/F+M | End2: **(U)** M/F+M	AB-DCD09**U**L-DCD**U**L-QF 10*	-	AB-DSCD09**U**L-DSCD**U**L-QC 10*	-
	End1: **(U)** M/F+M | End2: **(X)** F/M+F	AB-DCD09**U**L-DCD**X**L-QF 10*	-	AB-DSCD09**U**L-DSCD**X**L-QC 10*	-
	End1: **(H)** MF | End2: **(B)** FM	-	AB-DCD09**H**L-DCD**B**L-QF 10*	-	AB-DSCD09**H**L-DSCD**B**L-QF 10*
	End1: **(M)** MM | End2: **(B)** FM	AB-DCD09**M**L-DCD**B**L-QF 10*		AB-DSCD09**M**L-DSCD**B**L-QF 10*	-
	End1: **(M)** MM | End2: **(F)** FF	AB-DCD09**M**L-DCD**F**L-QF 10*		AB-DSCD09**M**L-DSCD**F**L-QF 10*	-
	End1: **(V)** M/M+F | End2: **(W)** F/F+M	-	AB-DCD09**V**L-DCD**W**L-QF 10*	-	AB-DSCD09**V**L-DSCD**W**L-QF 10*
	End1: **(V)** M/M+F | End2: **(X)** F/M+F	-	AB-DCD09**V**L-DCD**X**L-QF 10*	-	AB-DSCD09**V**L-DSCD**X**L-QF 10*

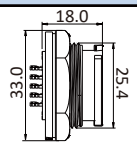
Overmolded With Cable Double Ended (Straight To Right Angle, Push Lock, IP68)

10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF **(W)** F/F+M, **(X)** F/M+F, **(U)** M/F+M, **(V)** M/M+F

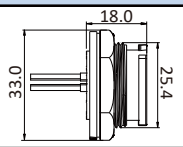
	End1: **(H)** MF | End2: **(B)** FM	-	AB-DCD09**H**L-DCD**B**R-QF 10*	-	AB-DSCD09**H**L-DSCD**B**R-QF 10*
	End1: **(M)** MM | End2: **(F)** FF	AB-DCD09**M**L-DCD**F**R-QF 10*	-	AB-DSCD09**M**L-DSCD**B**R-QF 10*	-
	End1: **(M)** MM | End2: **(B)** FM	AB-DCD09**M**L-DCD**B**R-QF 10*	-	AB-DSCD09**M**L-DSCD**F**R-QF 10*	-
	End1: **(U)** M/F+M | End2: **(X)** F/M+F	AB-DCD09**U**L-DCD**X**R-QF 10*	-	AB-DSCD09**U**L-DSCD**X**R-QC 10*	-
	End1: **(V)** M/M+F | End2: **(W)** F/F+M	-	AB-DCD09**V**L-DCD**W**R-QF 10*	-	AB-DSCD09**V**L-DSCD**W**R-QF 10*
	End1: **(V)** M/M+F | End2: **(X)** F/M+F	AB-DCD09**V**L-DCD**X**R-QF 10*	AB-DCD09**V**L-DCD**X**R-QF 10*	AB-DSCD09**V**L-DSCD**X**R-QC 10*	AB-DSCD09**V**L-DSCD**X**R-QF 10*

No of Contacts	**Panel Cut Out**	9 (3+6)	
Rated Voltage (AC/DC)	Circular Flange (D Cut)	300V	
Nominal Current		50A+5A	
Plastic / Metal		Plastic	Metal
Pin Assignment **MM**: Male Connector Male Contact **FF**: Female Connector Female Contact		MM	MM

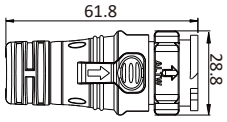
Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated)
Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm

	Crimp Type (For Power / Hybird Group)	DMD-09P**MM**C-QC8001*	DSMD-09P**MM**C-QC8001*
	180° PCB Type (For Hybrid Group)	DMD-09P**MM**P-QC8001*	DSMD-09P**MM**P-QC8001*

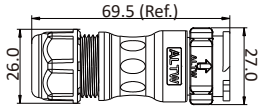
Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated)
11 Wire Length: (10) 100mm ~ (50) 500mm [1] | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	UL1015 + UL1430, PVC+XL-PVC Jacket	DMD-09P**MMC**-QC8C11*	DSMD-09P**MMC**-QC8C11*

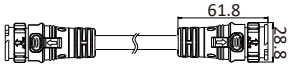
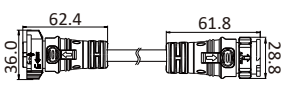
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)
11 Cable Length: (01) 1M ~ (99) 99M [1]

	UL21996, PVC Jacket (For Hybrid Group)	DMD-09B**MM**M-QL8F11*	DSMD-09B**MM**M-QL8F11*
	UL2517, PVC Jacket (For Power / Hybrid Group)	DMD-09B**MM**M-QL8C11*	DSMD-09B**MM**M-QL8C11*

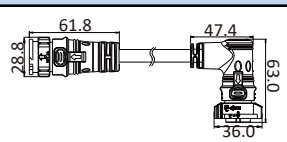
Field Serviceable/Installable, STRAIGHT, Without Strain Relief, Push Lock, IP68 (Mated)
Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 8.0 ~ 10.0mm, (Yellow Seal) 10.0 ~ 12.0mm, (Blue Seal) 12.0 ~ 14.0mm

	Crimp Type, For Power Group, Packing: Connector With Contacts	All Seals	DMD-09B**MM**A-QL8APP*	DSMD-09B**MM**A-QL8APP*
		8.0 ~ 10.0mm Red Seal	DMD-09B**MM**A-QL8SPP*	DSMD-09B**MM**A-QL8SPP*
		10.0 ~ 12.0mm Yellow Seal	DMD-09B**MM**A-QL8MPP*	DSMD-09B**MM**A-QL8MPP*
		12.0 ~ 14.0mm Blue Seal	DMD-09B**MM**A-QL8LPP*	DSMD-09B**MM**A-QL8LPP*

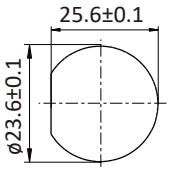
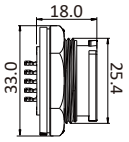
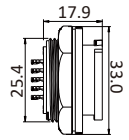
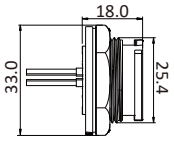
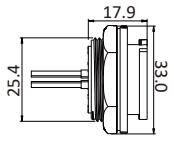
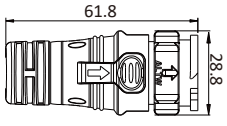
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF

	End1: **(M)** MM | End2: **(M)** MM	AB-DMD09**M**L-DMD**M**L-QC10*	AB-DSMD09**M**L-DSMD**M**L-QC10*
	End1: **(M)** MM | End2: **(F)** FF	AB-DMD09**M**L-DMD**F**L-QC10*	AB-DSMD09**M**L-DSMD**F**L-QC10*

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF

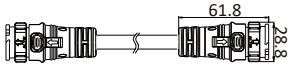
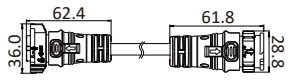
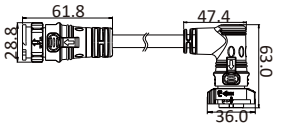
	End1: **(M)** MM | End2: **(F)** FF	AB-DMD09**M**L-DMD**F**R-QC10*	AB-DSMD09**M**L-DSMD**F**R-QC10*

*Upon Request
[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	**Panel Cut Out**	10 (3+7)			
Rated Voltage (AC/DC)	Circular Flange (D Cut)	300V			
Nominal Current		20A+5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment **MM** : Male Connector Male Contact **MF** : Male Connector Female Contact		MM	MF	MM	MF
Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm					
	Solder Type (For Hybrid Group)	DCD-10P**MM**S-QC8001 *	DCD-10P**MF**S-QC8001 *	DSCD-10P**MM**S-QC8001 *	DSCD-10P**MF**S-QC8001 *
	180° PCB Type (For Hybrid Group)	DCD-10P**MM**P-QC8001 *	DCD-10P**MF**P-QC8001 *	DSCD-10P**MM**P-QC8001 *	DSCD-10P**MF**P-QC8001 *
Receptacle, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm					
	Solder Type (For Data Group)	DCD-10R**MM**S-QC8001 *	DCD-10R**MF**S-QC8001 *	DSCD-10R**MM**S-QC8001 *	DSCD-10R**MF**S-QC8001 *
Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm [1] | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1015 + UL1430, PVC+XL-PVC Jacket	DCD-10P**MM**S-QC8C11 *	DCD-10P**MF**S-QC8C11 *	DSCD-10P**MM**S-QC8C11 *	DSCD-10P**MF**S-QC8C11 *
Receptacle With Wires, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm [1] | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1015 + UL1430, PVC+XL-PVC Jacket	DCD-10R**MM**S-QC8C11 *	DCD-10R**MF**S-QC8C11 *	DSCD-10R**MM**S-QC8C11 *	DSCD-10R**MF**S-QC8C11 *
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1]					
	UL21996, PVC Jacket (For Hybrid Group)	DCD-10A**MM**M-QL8F11 *	DCD-10A**MF**M-QL8F11 *	DSCD-10A**MM**M-QL8F11 *	DSCD-10A**MF**M-QL8F11 *

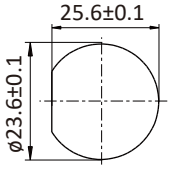
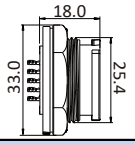
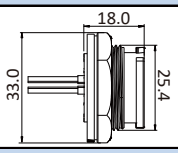
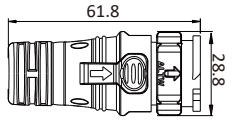
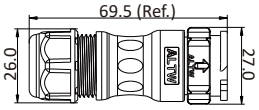
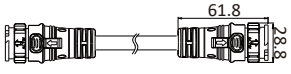
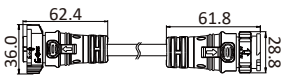
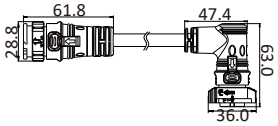
Large D Size

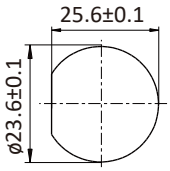
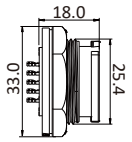
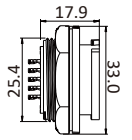
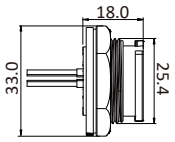
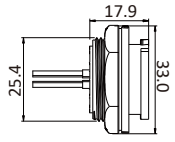
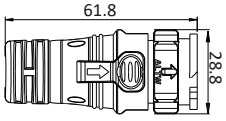
Mating Pair Page: **182**

No of Contacts		10 (3+7)			
Rated Voltage (AC/DC)		300V			
Nominal Current		20A+5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment **MM** : Male Connector Male Contact **FF** : Female Connector Female Contact **MF** : Male Connector Female Contact **FM** : Female Connector Male Contact **M+F** : Male PWR + Female GND, **F+M**: Female PWR + Male GND					
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF, **(W)** F/F+M, **(X)** F/M+F, **(U)** M/F+M, (**V**) M/M+F					
	End1: **(H)** MF | End2: **(H)** MF	-	AB-DCD10**H**L-DCD**H**L-QF 10*	-	AB-DSCD10**H**L-DSCD**H**L-QF 10*
	End1: **(M)** MM | End2: **(H)** MF	AB-DCD10**M**L-DCD**H**L-QF 10*		AB-DSCD10**M**L-DSCD**H**L-QF 10*	-
	End1: **(M)** MM | End2: **(M)** MM	AB-DCD10**M**L-DCD**M**L-QF 10*		AB-DSCD10**M**L-DSCD**M**L-QF 10*	-
	End1: **(V)** M/M+F | End2: **(V)** M/M+F	-	AB-DCD10**V**L-DCD**V**L-QF 10*	-	AB-DSCD10**V**L-DSCD**V**L-QF 10*
	End1: **(V)** M/M+F | End2: **(U)** M/F+M	-	AB-DCD10**V**L-DCD**U**L-QF 10*	-	AB-DSCD10**V**L-DSCD**U**L-QF 10*
	End1: **(U)** M/F+M | End2: **(U)** M/F+M	AB-DCD10**U**L-DCD**U**L-QF 10*	-	AB-DSCD10**U**L-DSCD**U**L-QC 10*	-
	End1: **(U)** M/F+M | End2: **(X)** F/M+F	AB-DCD10**U**L-DCD**X**L-QF 10*	-	AB-DSCD10**U**L-DSCD**X**L-QC 10*	-
	End1: **(H)** MF | End2: **(B)** FM	-	AB-DCD10**H**L-DCD**B**L-QF 10*	-	AB-DSCD10**H**L-DSCD**B**L-QF 10*
	End1: **(M)** MM | End2: **(B)** FM	AB-DCD10**M**L-DCD**B**L-QF 10*		AB-DSCD10**M**L-DSCD**B**L-QF 10*	-
	End1: **(M)** MM | End2: **(F)** FF	AB-DCD10**M**L-DCD**F**L-QF 10*		AB-DSCD10**M**L-DSCD**F**L-QF 10*	-
	End1: **(V)** M/M+F | End2: **(W)** F/F+M	-	AB-DCD10**V**L-DCD**W**L-QF 10*	-	AB-DSCD10**V**L-DSCD**W**L-QF 10*
	End1: **(V)** M/M+F | End2: **(X)** F/M+F	-	AB-DCD10**V**L-DCD**X**L-QF 10*	-	AB-DSCD10**V**L-DSCD**X**L-QF 10*
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF, **(W)** F/F+M, **(X)** F/M+F, **(U)** M/F+M, (**V**) M/M+F					
	End1: **(H)** MF | End2: **(B)** FM	-	AB-DCD10**H**L-DCD**B**R-QF 10*	-	AB-DSCD10**H**L-DSCD**B**R-QF 10*
	End1: **(M)** MM | End2: **(F)** FF	AB-DCD10**M**L-DCD**F**R-QF 10*	-	AB-DSCD10**M**L-DSCD**B**R-QF 10*	-
	End1: **(M)** MM | End2: **(B)** FM	AB-DCD10**M**L-DCD**B**R-QF 10*	-	AB-DSCD10**M**L-DSCD**F**R-QF 10*	-
	End1: **(U)** M/F+M | End2: **(X)** F/M+F	AB-DCD10**U**L-DCD**X**R-QF 10*	-	AB-DSCD10**U**L-DSCD**X**R-QC 10*	-
	End1: **(V)** M/M+F | End2: **(W)** F/F+M	-	AB-DCD10**V**L-DCD**W**R-QF 10*	-	AB-DSCD10**V**L-DSCD**W**R-QF 10*
	End1: **(V)** M/M+F | End2: **(X)** F/M+F	AB-DCD10**V**L-DCD**X**R-QF 10*	AB-DCD10**V**L-DCD**X**R-QF 10*	AB-DSCD10**V**L-DSCD**X**R-QC 10*	AB-DSCD10**V**L-DSCD**X**R-QF 10*

***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	**Panel Cut Out** Circular Flange (D Cut) 	10 (3+7)	
Rated Voltage (AC/DC)		300V	
Nominal Current		50A+5A	
Plastic / Metal		Plastic	Metal
Pin Assignment **MM**: Male Connector Male Contact **FF**: Female Connector Female Contact		MM	MM
Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm			
	Crimp Type (For Power / Hybird Group)	DMD-10P**MM**C-QC8001*	DSMD-10P**MM**C-QC8001*
	180° PCB Type (For Hybrid Group)	DMD-10P**MM**P-QC8001*	DSMD-10P**MM**P-QC8001*
Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm [1] | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm			
	UL1015 + UL1430, PVC+XL-PVC Jacket	DMD-10P**MM**C-QC8C11*	DSMD-10P**MM**C-QC8C11*
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1]			
	UL21996, PVC Jacket (For Hybrid Group)	DMD-10B**MM**M-QL8F11*	DSMD-10B**MM**M-QL8F11*
	UL2517, PVC Jacket (For Power / Hybrid Group)	DMD-10B**MM**M-QL8C11*	DSMD-10B**MM**M-QL8C11*
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 8.0 ~ 10.0mm, (Yellow Seal) 10.0 ~ 12.0mm, (Blue Seal) 12.0 ~ 14.0mm			
	Crimp Type, For Power Group, Packing: Connector With Contacts	All Seals	DMD-10B**MM**A-QL8APP* / DSMD-10B**MM**A-QL8APP*
		8.0 ~ 10.0mm Red Seal	DMD-10B**MM**A-QL8SPP* / DSMD-10B**MM**A-QL8SPP*
		10.0 ~ 12.0mm Yellow Seal	DMD-10B**MM**A-QL8MPP* / DSMD-10B**MM**A-QL8MPP*
		12.0 ~ 14.0mm Blue Seal	DMD-10B**MM**A-QL8LPP* / DSMD-10B**MM**A-QL8LPP*
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF			
	End1: **(M)** MM | End2: **(M)** MM	AB-DMD10**M**L-DMD**M**L-QC10*	AB-DSMD10**M**L-DSMD**M**L-QC10*
	End1: **(M)** MM | End2: **(F)** FF	AB-DMD10**M**L-DMD**F**L-QC10*	AB-DSMD10**M**L-DSMD**F**L-QC10*
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF			
	End1: **(M)** MM | End2: **(F)** FF	AB-DMD10**M**L-DMD**F**R-QC10*	AB-DSMD10**M**L-DSMD**F**R-QC10*

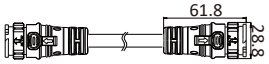
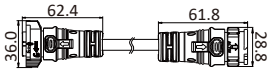
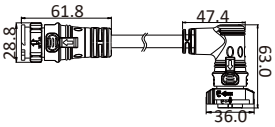
No of Contacts	**Panel Cut Out**	11 (3+8)			
Rated Voltage (AC/DC)	Circular Flange (D Cut)	300V			
Nominal Current		20A+5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment **MM** : Male Connector Male Contact **MF** : Male Connector Female Contact		MM	MF	MM	MF
Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm					
	Solder Type (For Hybird Group)	DCD-11P**MM**S-QC8001*	DCD-11P**MF**S-QC8001*	DSCD-11P**MM**S-QC8001*	DSCD-11P**MF**S-QC8001*
	180° PCB Type (For Hybird Group)	DCD-11P**MM**P-QC8001*	DCD-11P**MF**P-QC8001*	DSCD-11P**MM**P-QC8001*	DSCD-11P**MF**P-QC8001*
Receptacle, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm					
	Solder Type (For Hybird Group)	DCD-11R**MM**S-QC8001*	DCD-11R**MF**S-QC8001*	DSCD-11R**MM**S-QC8001*	DSCD-11R**MF**S-QC8001*
Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm[1] | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1015 + UL1430, PVC+XL-PVC Jacket	DCD-11P**MM**S-QC8C11*	DCD-11P**MF**S-QC8C11*	DSCD-11P**MM**S-QC8C11*	DSCD-11P**MF**S-QC8C11*
Receptacle With Wires, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm[1] | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1015 + UL1430, PVC+XL-PVC Jacket	DCD-11R**MM**S-QC8C11*	DCD-11R**MF**S-QC8C11*	DSCD-11R**MM**S-QC8C11*	DSCD-11R**MF**S-QC8C11*
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M[1]					
	UL21996, PVC Jacket (For Hybrid Group)	DCD-11A**MM**M-QL8F11*	DCD-11A**MF**M-QL8F11*	DSCD-11A**MM**M-QL8F11*	DSCD-11A**MF**M-QL8F11*

***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

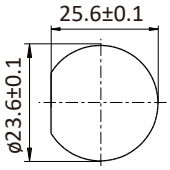
Large D Size

Mating Pair Page: **184**

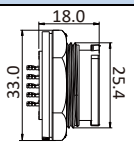
No of Contacts		11 (3+8)			
Rated Voltage (AC/DC)		300V			
Nominal Current		20A+5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment **MM** : Male Connector Male Contact **FF** : Female Connector Female Contact **MF** : Male Connector Female Contact **FM** : Female Connector Male Contact **M+F** : Male PWR + Female GND **F+M**: Female PWR + Male GND					
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF, **(W)** F/F+M, **(X)** F/M+F, **(U)** M/F+M, **(V)** M/M+F					
	End1: **(H)** MF | End2: **(H)** MF	-	AB-DCD11**H**L-DCD**H**L-QF 10*	-	AB-DSCD11**H**L-DSCD**H**L-QF 10*
	End1: **(M)** MM | End2: **(H)** MF	AB-DCD11**M**L-DCD**H**L-QF 10*	-	AB-DSCD11**M**L-DSCD**H**L-QF 10*	-
	End1: **(M)** MM | End2: **(M)** MM	AB-DCD11**M**L-DCD**M**L-QF 10*	-	AB-DSCD11**M**L-DSCD**M**L-QF 10*	-
	End1: **(V)** M/M+F | End2: **(V)** M/M+F	-	AB-DCD11**V**L-DCD**V**L-QF 10*	-	AB-DSCD11**V**L-DSCD**V**L-QF 10*
	End1: **(V)** M/M+F | End2: **(U)** M/F+M	-	AB-DCD11**V**L-DCD**U**L-QF 10*	-	AB-DSCD11**V**L-DSCD**U**L-QF 10*
	End1: **(U)** M/F+M | End2: **(U)** M/F+M	AB-DCD11**U**L-DCD**U**L-QF 10*	-	AB-DSCD11**U**L-DSCD**U**L-QC 10*	-
	End1: **(U)** M/F+M | End2: **(X)** F/M+F	AB-DCD11**U**L-DCD**X**L-QF 10*	-	AB-DSCD11**U**L-DSCD**X**L-QC 10*	-
	End1: **(H)** MF | End2: **(B)** FM	-	AB-DCD11**H**L-DCD**B**L-QF 10*	-	AB-DSCD11**H**L-DSCD**B**L-QF 10*
	End1: **(M)** MM | End2: **(B)** FM	AB-DCD11**M**L-DCD**B**L-QF 10*	-	AB-DSCD11**M**L-DSCD**B**L-QF 10*	-
	End1: **(M)** MM | End2: **(F)** FF	AB-DCD11**M**L-DCD**F**L-QF 10*	-	AB-DSCD11**M**L-DSCD**F**L-QF 10*	-
	End1: **(V)** M/M+F | End2: **(W)** F/F+M	-	AB-DCD11**V**L-DCD**W**L-QF 10*	-	AB-DSCD11**V**L-DSCD**W**L-QF 10*
	End1: **(V)** M/M+F | End2: **(X)** F/M+F	-	AB-DCD11**V**L-DCD**X**L-QF 10*	-	AB-DSCD11**V**L-DSCD**X**L-QF 10*
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF, **(W)** F/F+M, **(X)** F/M+F, **(U)** M/F+M, **(V)** M/M+F					
	End1: **(H)** MF | End2: **(B)** FM	-	AB-DCD11**H**L-DCD**B**R-QF 10*	-	AB-DSCD11**H**L-DSCD**B**R-QF 10*
	End1: **(M)** MM | End2: **(F)** FF	AB-DCD11**M**L-DCD**F**R-QF 10*	-	AB-DSCD11**M**L-DSCD**B**R-QF 10*	-
	End1: **(M)** MM | End2: **(B)** FM	AB-DCD11**M**L-DCD**B**R-QF 10*	-	AB-DSCD11**M**L-DSCD**F**R-QF 10*	-
	End1: **(U)** M/F+M | End2: **(X)** F/M+F	AB-DCD11**U**L-DCD**X**R-QF 10*	-	AB-DSCD11**U**L-DSCD**X**R-QC 10*	-
	End1: **(V)** M/M+F | End2: **(W)** F/F+M	-	AB-DCD11**V**L-DCD**W**R-QF 10*	-	AB-DSCD11**V**L-DSCD**W**R-QF 10*
	End1: **(V)** M/M+F | End2: **(X)** F/M+F	AB-DCD11**V**L-DCD**X**R-QF 10*	AB-DCD11**V**L-DCD**X**R-QF 10*	AB-DSCD11**V**L-DSCD**X**R-QC 10*	AB-DSCD11**V**L-DSCD**X**R-QF 10*

Large D Size

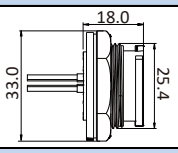
Mating Pair Page: **185**

No of Contacts	**Panel Cut Out**	11 (3+8)	
Rated Voltage (AC/DC)	Circular Flange (D Cut)	300V	
Nominal Current		50A+5A	
Plastic / Metal		Plastic	Metal
Pin Assignment **MM**: Male Connector Male Contact **FF**: Female Connector Female Contact		MM	MM

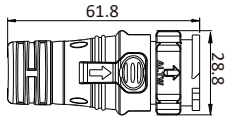
Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated)
Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm

	Crimp Type (For Power / Hybird Group)	DMD-11P**MM**C-QC8001*	DSMD-11P**MM**C-QC8001*
	180° PCB Type (For Hybrid Group)	DMD-11P**MM**P-QC8001*	DSMD-11P**MM**P-QC8001*

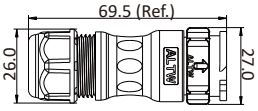
Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated)
11 Wire Length: (10) 100mm ~ (50) 500mm [1] | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	UL1015 + UL1430, PVC+XL-PVC Jacket	DMD-11P**MM**C-QC8C11*	DSMD-11P**MM**C-QC8C11*

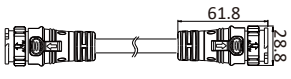
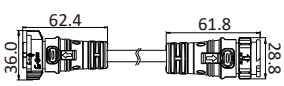
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)
11 Cable Length: (01) 1M ~ (99) 99M [1]

	UL21996, PVC Jacket (For Hybrid Group)	DMD-11B**MM**M-QL8F11*	DSMD-11B**MM**M-QL8F11*
	UL2517, PVC Jacket (For Power / Hybrid Group)	DMD-11B**MM**M-QL8C11*	DSMD-11B**MM**M-QL8C11*

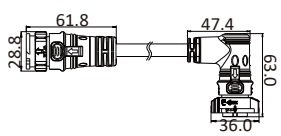
Field Serviceable/Installable, STRAIGHT, Without Strain Relief, Push Lock, IP68 (Mated)
Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 8.0 ~ 10.0mm, (Yellow Seal) 10.0 ~ 12.0mm, (Blue Seal) 12.0 ~ 14.0mm

	Crimp Type, For Power Group, Packing: Connector With Contacts	All Seals	DMD-11B**MM**A-QL8APP*	DSMD-11B**MM**A-QL8APP*
		8.0 ~ 10.0mm Red Seal	DMD-11B**MM**A-QL8SPP*	DSMD-11B**MM**A-QL8SPP*
		10.0 ~ 12.0mm Yellow Seal	DMD-11B**MM**A-QL8MPP*	DSMD-11B**MM**A-QL8MPP*
		12.0 ~ 14.0mm Blue Seal	DMD-11B**MM**A-QL8LPP*	DSMD-11B**MM**A-QL8LPP*

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF

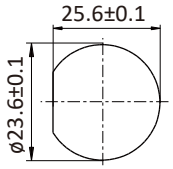
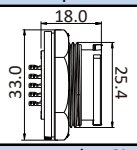
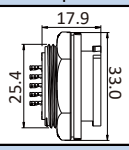
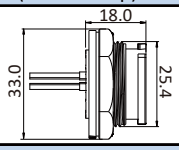
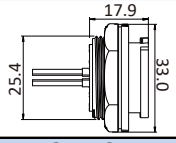
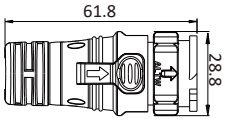
	End1: **(M)** MM | End2: **(M)** MM	AB-DMD11**M**L-DMD**M**L-QC10*	AB-DSMD11**M**L-DSMD**M**L-QC10*
	End1: **(M)** MM | End2: **(F)** FF	AB-DMD11**M**L-DMD**F**L-QC10*	AB-DSMD11**M**L-DSMD**F**L-QC10*

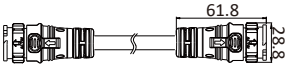
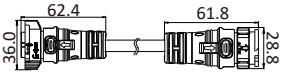
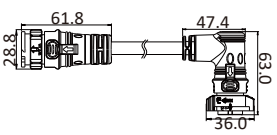
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF

	End1: **(M)** MM | End2: **(F)** FF	AB-DMD11**M**L-DMD**F**R-QC10*	AB-DSMD11**M**L-DSMD**F**R-QC10*

***Upon Request**

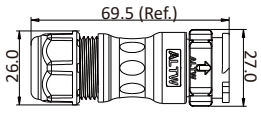
[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	**Panel Cut Out** Circular Flange (D Cut) 	12		
Rated Voltage (AC/DC)		300V		
Nominal Current		5A		
Plastic / Metal		Plastic	Metal	
Pin Assignment **MM** : Male Connector Male Contact **FF** : Female Connector Female Contact **MF** : Male Connector Female Contact **FM** : Female Connector Male Contact		MF	MM	MF
Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm				
	Solder Type (For Data Group)	DD-12P**MF**S-QC8001	DSD-12P**MM**S-QC8001*	DSD-12P**MF**S-QC8001*
	180° PCB Type (For Data Group)	DD-12P**MF**P-QC8001*	DSD-12P**MM**P-QC8001*	DSD-12P**MF**P-QC8001*
Receptacle, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm				
	Solder Type (For Data Group)	DD-12R**MF**S-QC8001	DSD-12R**MM**S-QC8001*	DSD-12R**MF**S-QC8001*
Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm[1] | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm				
	UL1430, XL-PVC Jacket	DD-12P**MF**S-QC8A 11*	DSD-12P**MM**S-QC8A 11*	DSD-12P**MF**S-QC8A 11*
Receptacle With Wires, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm[1] | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm				
	UL1430, XL-PVC Jacket	DD-12R**MF**S-QC8A 11*	DSD-12R**MM**S-QC8A 11*	DSD-12R**MF**S-QC8A 11*
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M[1]				
	UL21388, PVC Jacket (For Data Group)	DD-12A**MF**M-QL8D 11	DSD-12A**MM**M-QL8D 11*	DSD-12A**MF**M-QL8D 11*

STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF				
	End1: **(H)** MF | End2: **(H)** MF	AB-DD12**H**L-DD**H**L-QD 10	-	AB-DSD12**H**L-DSD**H**L-QD 10*
	End1: **(M)** MM | End2: **(H)** MF	-	AB-DSD12**M**L-DSD**H**L-QD 10*	-
	End1: **(M)** MM | End2: **(M)** MM	-	AB-DSD12**M**L-DSD**M**L-QD 10*	-
	End1: **(H)** MF | End2: **(B)** FM	AB-DD12**H**L-DD**B**L-QD 10	-	AB-DSD12**H**L-DSD**B**L-QD 10*
	End1: **(M)** MM | End2: **(B)** FM	-	AB-DSD12**M**L-DSD**B**L-QD 10*	-
	End1: **(M)** MM | End2: **(F)** FF	-	AB-DSD12**M**L-DSD**F**L-QD 10*	-
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF				
	End1: **(H)** MF | End2: **(B)** FM	AB-DD12**H**L-DD**B**R-QD 10	-	AB-DSD12**H**L-DSD**B**R-QD 10*
	End1: **(M)** MM | End2: **(B)** FM	-	AB-DSD12**M**L-DSD**B**R-QD 10*	-
	End1: **(M)** MM | End2: **(F)** FF	-	AB-DSD12**M**L-DSD**F**R-QD 10*	-

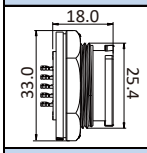
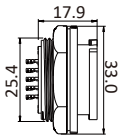
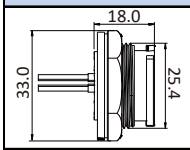
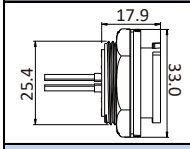
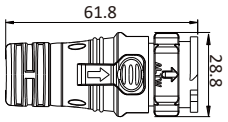
Large D Size

Mating Pair Page: **186~187**

No of Contacts			12		
Rated Voltage (AC/DC)			300V		
Nominal Current			5A		
Plastic / Metal			Plastic	Metal	
Pin Assignment **MM** : Male Connector Male Contact **MF** : Male Connector Female Contact			MF	MM	MF
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 8.0 ~ 10.0mm, (Yellow Seal) 10.0 ~ 12.0mm, (Blue Seal) 12.0 ~ 14.0mm					
	Solder Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-12B**MF**G-QL8AP0 *	DSD-12B**MM**G-QL8AP0 *	DSD-12B**MF**G-QL8AP0 *
		8.0 ~ 10.0mm Red Seal	DD-12B**MF**G-QL8SP0 *	DSD-12B**MM**G-QL8SP0 *	DSD-12B**MF**G-QL8SP0 *
		10.0 ~ 12.0mm Yellow Seal	DD-12B**MF**G-QL8MP0 *	DSD-12B**MM**G-QL8MP0 *	DSD-12B**MF**G-QL8MP0 *
		12.0 ~ 14.0mm Blue Seal	DD-12B**MF**G-QL8LP0 *	DSD-12B**MM**G-QL8LP0 *	DSD-12B**MF**G-QL8LP0 *
	Screw-in Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-12B**MF**B-QL8AP0 *	DSD-12B**MM**B-QL8AP0 *	DSD-12B**MF**B-QL8AP0 *
		8.0 ~ 10.0mm Red Seal	DD-12B**MF**B-QL8SP0 *	DSD-12B**MM**B-QL8SP0 *	DSD-12B**MF**B-QL8SP0 *
		10.0 ~ 12.0mm Yellow Seal	DD-12B**MF**B-QL8MP0 *	DSD-12B**MM**B-QL8MP0 *	DSD-12B**MF**B-QL8MP0 *
		12.0 ~ 14.0mm Blue Seal	DD-12B**MF**B-QL8LP0 *	DSD-12B**MM**B-QL8LP0 *	DSD-12B**MF**B-QL8LP0 *
	Push-in Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-12B**MF**E-QL8AP0 *	DSD-12B**MM**E-QL8AP0 *	DSD-12B**MF**E-QL8AP0 *
		8.0 ~ 10.0mm Red Seal	DD-12B**MF**E-QL8SP0 *	DSD-12B**MM**E-QL8SP0 *	DSD-12B**MF**E-QL8SP0 *
		10.0 ~ 12.0mm Yellow Seal	DD-12B**MF**E-QL8MP0 *	DSD-12B**MM**E-QL8MP0 *	DSD-12B**MF**E-QL8MP0 *
		12.0 ~ 14.0mm Blue Seal	DD-12B**MF**E-QL8LP0 *	DSD-12B**MM**E-QL8LP0 *	DSD-12B**MF**E-QL8LP0 *
	Crimp Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-12B**MF**A-QL8AP0	DSD-12B**MM**A-QL8AP0 *	DSD-12B**MF**A-QL8AP0 *
		8.0 ~ 10.0mm Red Seal	DD-12B**MF**A-QL8SP0	DSD-12B**MM**A-QL8SP0 *	DSD-12B**MF**A-QL8SP0 *
		10.0 ~ 12.0mm Yellow Seal	DD-12B**MF**A-QL8MP0	DSD-12B**MM**A-QL8MP0 *	DSD-12B**MF**A-QL8MP0 *
		12.0 ~ 14.0mm Blue Seal	DD-12B**MF**A-QL8LP0	DSD-12B**MM**A-QL8LP0 *	DSD-12B**MF**A-QL8LP0 *
	Crimp Type, For Data Group, Packing: Connector Without Contacts	All Seals	DD-12B**MF**A-QL8AN0	-	-
		8.0 ~ 10.0mm Red Seal	DD-12B**MF**A-QL8SN0	-	-
		10.0 ~ 12.0mm Yellow Seal	DD-12B**MF**A-QL8MN0	-	-
		12.0 ~ 14.0mm Blue Seal	DD-12B**MF**A-QL8LN0	-	-

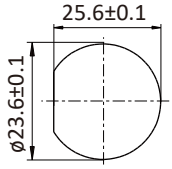
***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	12 (3+9)					
Rated Voltage (AC/DC)	300V					
Nominal Current	20A+5A					
Plastic / Metal	Plastic				Metal	
Pin Assignment **MM**: Male Connector Male Contact **MF**: Male Connector Female Contact **M/F+M** (D): Female PWR + Male SIG **M/M+F** (E): Male PWR + Female SIG	MM	MF	M/F+M (D)	M/M+F (E)	MM	MF
Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm						
	Solder Type (For Hybrid Group)	DCD-12P**MM**S-QC8001	DCD-12P**MF**S-QC8001			DSCD-12P**MM**S-QC8001*	DSCD-12P**MF**S-QC8001*
	180° PCB Type (For Hybrid Group)	DCD-12P**MM**P-QC8001*	DCD-12P**MF**P-QC8001*	DCD-12P**MD**P-QC8001	DCD-12P**ME**P-QC8001	DSCD-12P**MM**P-QC8001*	DSCD-12P**MF**P-QC8001*
Receptacle, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm							
	Solder Type (For Hybrid Group)	DCD-12R**MM**S-QC8001	DCD-12R**MF**S-QC8001	-	-	DSCD-12R**MM**S-QC8001*	DSCD-12R**MF**S-QC8001*
Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) (11) Wire Length: (10) 100mm ~ (50) 500mm [1] | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm							
	UL1015 + UL1430, PVC+XL-PVC Jacket	DCD-12P**MM**S-QC8C(11)*	DCD-12P**MF**S-QC8C(11)*	-	-	DSCD-12P**MM**S-QC8C(11)*	DSCD-12P**MF**S-QC8C(11)*
Receptacle With Wires, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated) (11) Wire Length: (10) 100mm ~ (50) 500mm [1] | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm							
	UL1015 + UL1430, PVC+XL-PVC Jacket	DCD-12R**MM**S-QC8C(11)*	DCD-12R**MF**S-QC8C(11)*	-	-	DSCD-12R**MM**S-QC8C(11)*	DSCD-12R**MF**S-QC8C(11)*
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) (11) Cable Length: (01) 1M ~ (99) 99M [1]							
	UL21996, PVC Jacket (For Hybrid Group)	DCD-12A**MM**M-QL8F(11)*	DCD-12A**MF**M-QL8F(11)*	-	-	DSCD-12A**MM**M-QL8F(11)*	DSCD-12A**MF**M-QL8F(11)*

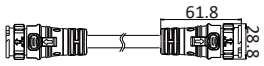
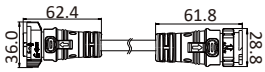
Panel Cut Out

Circular Flange
(D Cut)

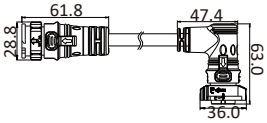


No of Contacts	12 (3+9)	
Rated Voltage (AC/DC)	300V	
Nominal Current	20A+5A	
Plastic / Metal	Plastic	Metal
Pin Assignment **MM** : Male Connector Male Contact **FF** : Female Connector Female Contact **MF** : Male Connector Female Contact **FM** : Female Connector Male Contact **M+F**: Male PWR + Female GND, **F+M**: Female PWR + Male GND		

STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated)
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF, **(W)** F/F+M, **(X)** F/M+F, **(U)** M/F+M, (**V**) M/M+F

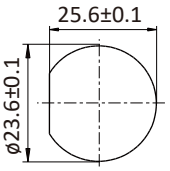
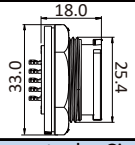
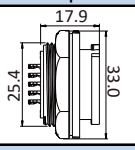
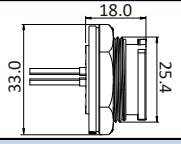
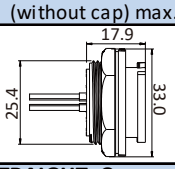
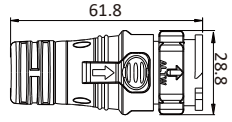
	End1: **(H)** MF | End2: **(H)** MF	-	AB-DCD12**H**L-DCD**H**L-QF 10	-	AB-DSCD12**H**L-DSCD**H**L-QF 10*
	End1: **(M)** MM | End2: **(H)** MF	AB-DCD12**M**L-DCD**H**L-QF 10	-	AB-DSCD12**M**L-DSCD**H**L-QF 10*	-
	End1: **(M)** MM | End2: **(M)** MM	AB-DCD12**M**L-DCD**M**L-QF 10	-	AB-DSCD12**M**L-DSCD**M**L-QF 10*	-
	End1: **(V)** M/M+F | End2: **(V)** M/M+F	-	AB-DCD12**V**L-DCD**V**L-QF 10*	-	AB-DSCD12**V**L-DSCD**V**L-QF 10*
	End1: **(V)** M/M+F | End2: **(V)** M/M+F	-	AB-DCD12**V**L-DCD**U**L-QF 10*	-	AB-DSCD12**V**L-DSCD**U**L-QF 10*
	End1: **(U)** M/F+M | End2: **(U)** M/F+M	AB-DCD12**U**L-DCD**U**L-QF 10*	-	AB-DSCD12**U**L-DSCD**U**L-QC 10*	-
	End1: (**U**) M/F+M | End2: **(X)** F/M+F	AB-DCD12**U**L-DCD**X**L-QF 10*	-	AB-DSCD12**U**L-DSCD**X**L-QC 10*	-
	End1: **(H)** MF | End2: **(B)** FM	-	AB-DCD12**H**L-DCD**B**L-QF 10	-	AB-DSCD12**H**L-DSCD**B**L-QF 10*
	End1: **(H)** MF | End2: **(B)** FM	AB-DCD12**M**L-DCD**B**L-QF 10	-	AB-DSCD12**M**L-DSCD**B**L-QF 10*	-
	End1: **(M)** MM | End2: **(F)** FF	AB-DCD12**M**L-DCD**F**L-QF 10	-	AB-DSCD12**M**L-DSCD**F**L-QF 10*	-
	End1: **(V)** M/M+F | End2: **(W)** F/F+M	-	AB-DCD12**V**L-DCD**W**L-QF 10*	-	AB-DSCD12**V**L-DSCD**W**L-QF 10*
	End1: **(V)** M/M+F | End2: **(X)** F/M+F	-	AB-DCD12**V**L-DCD**X**L-QF 10*	-	AB-DSCD12**V**L-DSCD**X**L-QF 10*

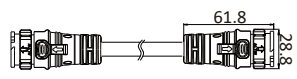
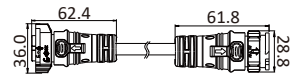
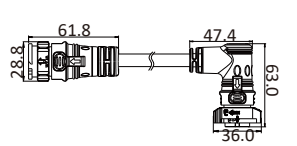
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF, **(W)** F/F+M, **(X)** F/M+F, **(U)** M/F+M, (**V**) M/M+F

	End1: **(H)** MF | End2: **(B)** FM	-	AB-DCD12**H**L-DCD**B**R-QF 10	-	AB-DSCD12**H**L-DSCD**B**R-QF 10*
	End1: (M) MM | End2: **(F)** FF	AB-DCD12**M**L-DCD**F**R-QF 10	-	AB-DSCD12**M**L-DSCD**B**R-QF 10*	-
	End1: **(M)** MM | End2: **(B)** FM	AB-DCD12**M**L-DCD**B**R-QF 10	-	AB-DSCD12**M**L-DSCD**F**R-QF 10*	-
	End1: **(U)** M/F+M | End2: **(X)** F/M+F	AB-DCD12**U**L-DCD**X**R-QF 10*	-	AB-DSMD12**U**L-DSMD**X**R-QC 10*	-
	End1: **(V)** M/M+F | End2: **(W)** F/F+M	-	AB-DCD12**V**L-DCD**W**R-QF 10*	-	AB-DSCD12**V**L-DSCD**W**R-QF 10*
	End1: **(V)** M/M+F | End2: **(X)** F/M+F	AB-DCD12**V**L-DCD**X**R-QF 10*	AB-DCD12**V**L-DCD**X**R-QF 10*	AB-DSMD12**V**L-DSMD**X**R-QC 10*	AB-DSCD12**V**L-DSCD**W**R-QF 10*

***Upon Request**

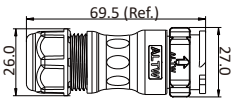
[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	**Panel Cut Out**	14			
Rated Voltage (AC/DC)	Circular Flange (D Cut)	300V			
Nominal Current		5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment		MM	MF	MM	MF
MM : Male Connector Male Contact **FF** : Female Connector Female Contact **MF** : Male Connector Female Contact **FM** : Female Connector Male Contact					
Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm					
	Solder Type (For Data Group)	DD-14P**MM**S-QC8001	DD-14P**MF**S-QC8001	DSD-14P**MM**S-QC8001*	DSD-14P**MF**S-QC8001*
	180° PCB Type (For Data Group)	DD-14P**MM**P-QC8001 *	DD-14P**MF**P-QC8001 *	DSD-14P**MM**P-QC8001*	DSD-14P**MF**P-QC8001*
Receptacle, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm					
	Solder Type (For Data Group)	DD-14R**MM**S-QC8001	DD-14R**MF**S-QC8001	DSD-14R**MM**S-QC8001*	DSD-14R**MF**S-QC8001*
Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm [1] | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1430, XL-PVC Jacket	DD-14P**MM**S-QC8A11 *	DD-14P**MF**S-QC8A11 *	DSD-14P**MM**S-QC8A11 *	- DSD-14P**MF**S-QC8A11 *
Receptacle With Wires, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm [1] | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1430, XL-PVC Jacket	DD-14R**MM**S-QC8A11 *	DD-14R**MF**S-QC8A11 *	DSD-14R**MM**S-QC8A11 *	DSD-14R**MF**S-QC8A11 *
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1]					
	UL21388, PVC Jacket (For Data Group)	DD-14A**MM**M-QL8D11 *	DD-14A**MF**M-QL8D11 *	DSD-14A**MM**M-QL8D11 *	DSD-14A**MF**M-QL8D11 *

STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF					
	End1: **(H)** MF | End2: **(H)** MF	-	AB-DD14**H**L-DD**H**L-QD 10	-	AB-DSD14**H**L-DSD**H**L-QD 10*
	End1: **(M)** MM | End2: **(H)** MF	AB-DD14**M**L-DD**H**L-QD 10	-	AB-DSD14**M**L-DSD**H**L-QD 10*	-
	End1: **(M)** MM | End2: **(M)** MM	AB-DD14**M**L-DD**M**L-QD 10	-	AB-DSD14**M**L-DSD**M**L-QD 10*	-
	End1: **(H)** MF | End2: **(B)** FM	-	AB-DD14**H**L-DD**B**L-QD 10	-	AB-DSD14**H**L-DSD**B**L-QD 10*
	End1: **(M)** MM | End2: **(B)** FM	AB-DD14**M**L-DD**B**L-QD 10	-	AB-DSD14**M**L-DSD**B**L-QD 10*	-
	End1: **(M)** MM | End2: **(F)** FF	AB-DD14**M**L-DD**F**L-QD 10	-	AB-DSD14**M**L-DSD**F**L-QD 10*	-
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF					
	End1: **(H)** MF | End2: **(B)** FM	-	AB-DD14**H**L-DD**B**R-QD 10	-	AB-DSD14**H**L-DSD**B**R-QD 10*
	End1: **(M)** MM | End2: **(F)** FF	AB-DD14**M**L-DD**F**R-QD 10	-	AB-DSD14**M**L-DSD**B**R-QD 10*	-
	End1: **(M)** MM | End2: **(B)** FM	AB-DD14**M**L-DD**B**R-QD 10	-	AB-DSD14**M**L-DSD**F**R-QD 10*	-

Large D Size

Mating Pair Page: **189~190**

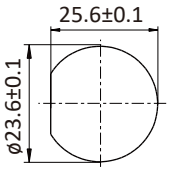
No of Contacts			14			
Rated Voltage (AC/DC)			300V			
Nominal Current			5A			
Plastic / Metal			Plastic		Metal	
Pin Assignment **MM** : Male Connector Male Contact **MF** : Male Connector Female Contact			MM	MF	MM	MF
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 8.0 ~ 10.0mm, (Yellow Seal) 10.0 ~ 12.0mm, (Blue Seal) 12.0 ~ 14.0mm						
	Solder Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-14B**MM**G-QL8AP0 *	DD-14B**MF**G-QL8AP0 *	DSD-14B**MM**G-QL8AP0 *	DSD-14B**MF**G-QL8AP0 *
		8.0 ~ 10.0mm Red Seal	DD-14B**MM**G-QL8SP0 *	DD-14B**MF**G-QL8SP0 *	DSD-14B**MM**G-QL8SP0 *	DSD-14B**MF**G-QL8SP0 *
		10.0 ~ 12.0mm Yellow Seal	DD-14B**MM**G-QL8MP0 *	DD-14B**MF**G-QL8MP0 *	DSD-14B**MM**G-QL8MP0 *	DSD-14B**MF**G-QL8MP0 *
		12.0 ~ 14.0mm Blue Seal	DD-14B**MM**G-QL8LP0 *	DD-14B**MF**G-QL8LP0 *	DSD-14B**MM**G-QL8LP0 *	DSD-14B**MF**G-QL8LP0 *
	Screw-in Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-14B**MM**B-QL8AP0 *	DD-14B**MF**B-QL8AP0 *	DSD-14B**MM**B-QL8AP0 *	DSD-14B**MF**B-QL8AP0 *
		8.0 ~ 10.0mm Red Seal	DD-14B**MM**B-QL8SP0 *	DD-14B**MF**B-QL8SP0 *	DSD-14B**MM**B-QL8SP0 *	DSD-14B**MF**B-QL8SP0 *
		10.0 ~ 12.0mm Yellow Seal	DD-14B**MM**B-QL8MP0 *	DD-14B**MF**B-QL8MP0 *	DSD-14B**MM**B-QL8MP0 *	DSD-14B**MF**B-QL8MP0 *
		12.0 ~ 14.0mm Blue Seal	DD-14B**MM**B-QL8LP0 *	DD-14B**MF**B-QL8LP0 *	DSD-14B**MM**B-QL8LP0 *	DSD-14B**MF**B-QL8LP0 *
	Push-in Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-14B**MM**E-QL8AP0 *	DD-14B**MF**E-QL8AP0 *	DSD-14B**MM**E-QL8AP0 *	DSD-14B**MF**E-QL8AP0 *
		8.0 ~ 10.0mm Red Seal	DD-14B**MM**E-QL8SP0 *	DD-14B**MF**E-QL8SP0 *	DSD-14B**MM**E-QL8SP0 *	DSD-14B**MF**E-QL8SP0 *
		10.0 ~ 12.0mm Yellow Seal	DD-14B**MM**E-QL8MP0 *	DD-14B**MF**E-QL8MP0 *	DSD-14B**MM**E-QL8MP0 *	DSD-14B**MF**E-QL8MP0 *
		12.0 ~ 14.0mm Blue Seal	DD-14B**MM**E-QL8LP0 *	DD-14B**MF**E-QL8LP0 *	DSD-14B**MM**E-QL8LP0 *	DSD-14B**MF**E-QL8LP0 *
	Crimp Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-14B**MM**A-QL8AP0	DD-14B**MF**A-QL8AP0	DSD-14B**MM**A-QL8AP0 *	DSD-14B**MF**A-QL8AP0 *
		8.0 ~ 10.0mm Red Seal	DD-14B**MM**A-QL8SP0	DD-14B**MF**A-QL8SP0	DSD-14B**MM**A-QL8SP0 *	DSD-14B**MF**A-QL8SP0 *
		10.0 ~ 12.0mm Yellow Seal	DD-14B**MM**A-QL8MP0	DD-14B**MF**A-QL8MP0	DSD-14B**MM**A-QL8MP0 *	DSD-14B**MF**A-QL8MP0 *
		12.0 ~ 14.0mm Blue Seal	DD-14B**MM**A-QL8LP0	DD-14B**MF**A-QL8LP0	DSD-14B**MM**A-QL8LP0 *	DSD-14B**MF**A-QL8LP0 *
	Crimp Type, For Data Group, Packing: Connector Without Contacts	All Seals	DD-14B**MM**A-QL8AN0	DD-14B**MF**A-QL8AN0	-	-
		8.0 ~ 10.0mm Red Seal	DD-14B**MM**A-QL8SN0	DD-14B**MF**A-QL8SN0	-	-
		10.0 ~ 12.0mm Yellow Seal	DD-14B**MM**A-QL8MN0	DD-14B**MF**A-QL8MN0	-	-
		12.0 ~ 14.0mm Blue Seal	DD-14B**MM**A-QL8LN0	DD-14B**MF**A-QL8LN0	-	-

*Upon Request

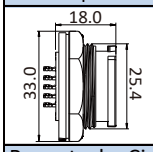
[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

Large D Size

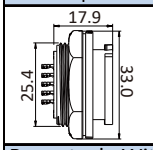
Mating Pair Page: **191~192**

No of Contacts	**Panel Cut Out**	18			
Rated Voltage (AC/DC)	Circular Flange (D Cut)	300V			
Nominal Current		5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment		MM	MF	MM	MF
MM : Male Connector Male Contact **FF** : Female Connector Female Contact **MF** : Male Connector Female Contact **FM** : Female Connector Male Contact					

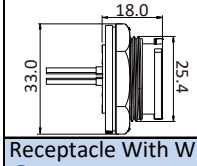
Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated)
Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm

	Solder Type (For Data Group)	DD-18P**MM**S-QC8001	DD-18P**MF**S-QC8001	DSD-18P**MM**S-QC8001 *	DSD-18P**MF**S-QC8001 *
	180° PCB Type (For Data Group)	DD-18P**MM**P-QC8001 *	DD-18P**MF**P-QC8001 *	DSD-18P**MM**P-QC8001 *	DSD-18P**MF**P-QC8001 *

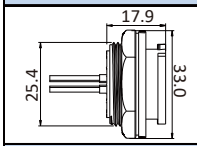
Receptacle, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated)
Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm

	Solder Type (For Data Group)	DD-18R**MM**S-QC8001	DD-18R**MF**S-QC8001	DSD-18R**MM**S-QC8001 *	DSD-18R**MF**S-QC8001 *

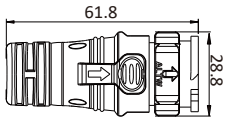
Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated)
11 Wire Length: (10) 100mm ~ (50) 500mm [1] | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	UL1430, XL-PVC Jacket	DD-18P**MM**S-QC8A11 *	DD-18P**MF**S-QC8A11 *	DSD-18P**MM**S-QC8A11 *	DSD-18P**MF**S-QC8A11 *

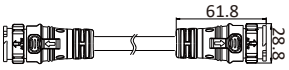
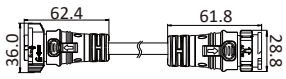
Receptacle With Wires, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated)
11 Wire Length: (10) 100mm ~ (50) 500mm [1] | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	UL1430, XL-PVC Jacket	DD-18R**MM**S-QC8A11 *	DD-18R**MF**S-QC8A11 *	DSD-18R**MM**S-QC8A11 *	DSD-18R**MF**S-QC8A11 *

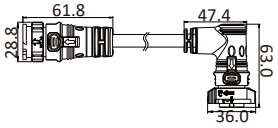
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)
11 Cable Length: (01) 1M ~ (99) 99M [1]

	UL21388, PVC Jacket (For Data Group)	DD-18A**MM**M-QL8D11 *	DD-18A**MF**M-QL8D11 *	DSD-18A**MM**M-QL8D11 *	DSD-18A**MF**M-QL8D11 *

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF

	End1: **(H)** MF | End2: **(H)** MF	-	AB-DD18**H**L-DD**H**L-QD10	-	AB-DSD18**H**L-DSD**H**L-QD10 *
	End1: **(M)** MM | End2: **(H)** MF	AB-DD18**M**L-DD**H**L-QD10	-	AB-DSD18**M**L-DSD**H**L-QD10 *	-
	End1: **(M)** MM | End2: **(M)** MM	AB-DD18**M**L-DD**M**L-QD10	-	AB-DSD18**M**L-DSD**M**L-QD10 *	-
	End1: **(H)** MF | End2: **(B)** FM	-	AB-DD18**H**L-DD**B**L-QD10	-	AB-DSD18**H**L-DSD**B**L-QD10 *
	End1: **(M)** MM | End2: **(B)** FM	AB-DD18**M**L-DD**B**L-QD10	-	AB-DSD18**M**L-DSD**B**L-QD10 *	-
	End1: **(M)** MM | End2: **(F)** FF	AB-DD18**M**L-DD**F**L-QD10	-	AB-DSD18**M**L-DSD**F**L-QD10 *	-

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF

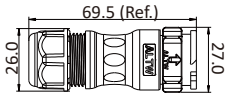
	End1: **(H)** MF | End2: **(B)** FM	-	AB-DD18**H**L-DD**B**R-QD10	-	AB-DSD18**H**L-DSD**B**R-QD10 *
	End1: **(M)** MM | End2: **(F)** FF	AB-DD18**M**L-DD**F**R-QD10	-	AB-DSD18**M**L-DSD**B**R-QD10 *	-
	End1: **(M)** MM | End2: **(B)** FM	AB-DD18**M**L-DD**B**R-QD10	-	AB-DSD18**M**L-DSD**F**R-QD10 *	-

Large D Size

Mating Pair Page: **191~192**

No of Contacts	18			
Rated Voltage (AC/DC)	300V			
Nominal Current	5A			
Plastic / Metal	Plastic		Metal	
Pin Assignment **MM** : Male Connector Male Contact **MF** : Male Connector Female Contact	MM	MF	MM	MF

Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated)
Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 8.0 ~ 10.0mm, (Yellow Seal) 10.0 ~ 12.0mm, (Blue Seal) 12.0 ~ 14.0mm

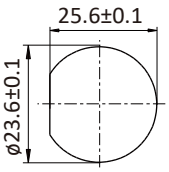
	Solder Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-18B**MM**G-QL8AP0 *	DD-18B**MF**G-QL8AP0 *	DSD-18B**MM**G-QL8AP0 *	DSD-18B**MF**G-QL8AP0 *
		8.0 ~ 10.0mm Red Seal	DD-18B**MM**G-QL8SP0 *	DD-18B**MF**G-QL8SP0 *	DSD-18B**MM**G-QL8SP0 *	DSD-18B**MF**G-QL8SP0 *
		10.0 ~ 12.0mm Yellow Seal	DD-18B**MM**G-QL8MP0 *	DD-18B**MF**G-QL8MP0 *	DSD-18B**MM**G-QL8MP0 *	DSD-128**MF**G-QL8MP0 *
		12.0 ~ 14.0mm Blue Seal	DD-18B**MM**G-QL8LP0 *	DD-18B**MF**G-QL8LP0 *	DSD-18B**MM**G-QL8LP0 *	DSD-18B**MF**G-QL8LP0 *
	Screw-in Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-18B**MM**B-QL8AP0 *	DD-18B**MF**B-QL8AP0 *	DSD-18B**MM**B-QL8AP0 *	DSD-18B**MF**B-QL8AP0 *
		8.0 ~ 10.0mm Red Seal	DD-18B**MM**B-QL8SP0 *	DD-18B**MF**B-QL8SP0 *	DSD-18B**MM**B-QL8SP0 *	DSD-18B**MF**B-QL8SP0 *
		10.0 ~ 12.0mm Yellow Seal	DD-18B**MM**B-QL8MP0 *	DD-18B**MF**B-QL8MP0 *	DSD-18B**MM**B-QL8MP0 *	DSD-18B**MF**B-QL8MP0 *
		12.0 ~ 14.0mm Blue Seal	DD-18B**MM**B-QL8LP0 *	DD-18B**MF**B-QL8LP0 *	DSD-18B**MM**B-QL8LP0 *	DSD-18B**MF**B-QL8LP0 *
	Push-in Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-18B**MM**E-QL8AP0 *	DD-18B**MF**E-QL8AP0 *	DSD-18B**MM**E-QL8AP0 *	DSD-18B**MF**E-QL8AP0 *
		8.0 ~ 10.0mm Red Seal	DD-18B**MM**E-QL8SP0 *	DD-18B**MF**E-QL8SP0 *	DSD-18B**MM**E-QL8SP0 *	DSD-18B**MF**E-QL8SP0 *
		10.0 ~ 12.0mm Yellow Seal	DD-18B**MM**E-QL8MP0 *	DD-18B**MF**E-QL8MP0 *	DSD-18B**MM**E-QL8MP0 *	DSD-18B**MF**E-QL8MP0 *
		12.0 ~ 14.0mm Blue Seal	DD-18B**MM**E-QL8LP0 *	DD-18B**MF**E-QL8LP0 *	DSD-18B**MM**E-QL8LP0 *	DSD-18B**MF**E-QL8LP0 *
	Crimp Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-18B**MM**A-QL8AP0	DD-18B**MF**A-QL8AP0	DSD-18B**MM**A-QL8AP0 *	DSD-18B**MF**A-QL8AP0 *
		8.0 ~ 10.0mm Red Seal	DD-18B**MM**A-QL8SP0	DD-18B**MF**A-QL8SP0	DSD-18B**MM**A-QL8SP0 *	DSD-18B**MF**A-QL8SP0 *
		10.0 ~ 12.0mm Yellow Seal	DD-18B**MM**A-QL8MP0	DD-18B**MF**A-QL8MP0	DSD-18B**MM**A-QL8MP0 *	DSD-18B**MF**A-QL8MP0 *
		12.0 ~ 14.0mm Blue Seal	DD-18B**MM**A-QL8LP0	DD-18B**MF**A-QL8LP0	DSD-18B**MM**A-QL8LP0 *	DSD-18B**MF**A-QL8LP0 *
	Crimp Type, For Data Group, Packing: Connector Without Contacts	All Seals	DD-18B**MM**A-QL8AN0	DD-18B**MF**A-QL8AN0	-	-
		8.0 ~ 10.0mm Red Seal	DD-18B**MM**A-QL8SN0	DD-18B**MF**A-QL8SN0	-	-
		10.0 ~ 12.0mm Yellow Seal	DD-18B**MM**A-QL8MN0	DD-18B**MF**A-QL8MN0	-	-
		12.0 ~ 14.0mm Blue Seal	DD-18B**MM**A-QL8LN0	DD-18B**MF**A-QL8LN0	-	-

***Upon Request**

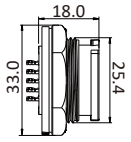
[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

Large D Size

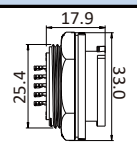
Mating Pair Page: **193~194**

No of Contacts	**Panel Cut Out**	78			
Rated Voltage (AC/DC)	Circular Flange (D Cut)	60V			
Nominal Current		0.5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment **MM** : Male Connector Male Contact **MF** : Male Connector Female Contact		MM	MF	MM	MF

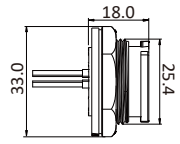
Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated)
Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm

	Solder Type (For Data Group)	DD-78P**MM** S-QC8001*	DD-78P**MF** S-QC8001*	DSD-78P**MM** S-QC8001*	DSD-78P**MF** S-QC8001*
	180° PCB Type (For Data Group)	DD-78P**MM** P-QC8001*	DD-78P**MF** P-QC8001*	DSD-78P**MM** P-QC8001*	DSD-78P**MF** P-QC8001*

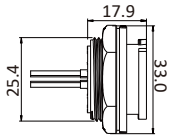
Receptacle, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated)
Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm

	Solder Type (For Data Group)	DD-78R**MM** S-QC8001*	DD-78R**MF** S-QC8001*	DSD-78R **MM** S-QC8001*	DSD-78R **MF** S-QC8001*
	180° PCB Type (For Data Group)	DD-78R**MM** P-QC8001*	DD-78R**MF** P-QC8001*	DSD-78R **MM** P-QC8001*	DSD-78R **MF** P-QC8001*

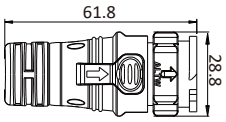
Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated)
Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm
11 Wire Length: (10) 100mm ~ (50) 500mm [1)]

	UL1430, XL-PVC Jacket	DD-78P **MM** S-QC8A11 *	DD-78P **MF** S-QC8A11 *	DSD-78P **MM** S-QC8A11 *	DSD-78P **MF** S-QC8A11 *

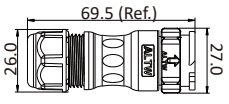
Receptacle With Wires, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated)
Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm
11 Wire Length: (10) 100mm ~ (50) 500mm [1)]

	UL1430, XL-PVC Jacket	DD-78R **MM** S-QC8A11 *	DD-78R **MF** S-QC8A11 *	DSD-78R **MM** S-QC8A11 *	DSD-78R **MF** S-QC8A11 *

STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)
11 Cable Length: (01) 1M ~ (99) 99M [1)]

	UL21388, PVC Jacket (For Data Group)	DD-78A **MM** M-QL8D11 *	DD-78A **MF** M-QL8D11 *	DSD-78A **MM** M-QL8D11 *	DSD-78A **MF** M-QL8D11 *

Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated)
Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 8.0 ~ 10.0mm, (Yellow Seal) 10.0 ~ 12.0mm, (Blue Seal) 12.0 ~ 14.0mm

	Solder Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-78B **MM** G-QL8AP0 *	DD-78B **MF** G-QL8AP0 *	DSD-78B **MM** G-QL8AP0 *	DSD-78B **MF** G-QL8AP0 *
		8.0 ~ 10.0mm Red Seal	DD-78B **MM** G-QL8SP0 *	DD-78B **MF** G-QL8SP0 *	DSD-78B **MM** G-QL8SP0 *	DSD-78B **MF** G-QL8SP0 *
		10.0 ~ 12.0mm Yellow Seal	DD-78B **MM** G-QL8MP0 *	DD-78B **MF** G-QL8MP0 *	DSD-78 **MM** G-QL8MP0 *	DSD-78B **MF** G-QL8MP0 *
		12.0 ~ 14.0mm Blue Seal	DD-78B **MM** G-QL8LP0 *	DD-78B **MF** G-QL8LP0 *	DSD-78B **MM** G-QL8LP0 *	DSD-78B **MF** G-QL8LP0 *

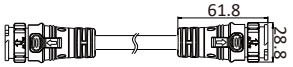
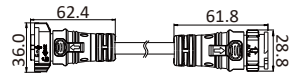
Large D Size

Mating Pair Page: **193~194**

No of Contacts	78	
Rated Voltage (AC/DC)	60V	
Nominal Current	0.5A	
Plastic / Metal	Plastic	Metal
Pin Assignment **MM** : Male Connector Male Contact **FF** : Female Connector Female Contact **MF** : Male Connector Female Contact **FM** : Female Connector Male Contact		

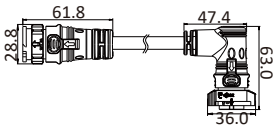
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector/Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF

	End1: **(H)** MF | End2: **(H)** MF	-	AB-DD78 **H**L-DD **H**L-QD⑩ *	-	AB-DSD78 **H**L-DSD **H**L-QD⑩ *
	End1: **(M)** MM | End2: **(H)** MF	AB-DD78 **M**L-DD **H**L-QD⑩ *	-	AB-DSD78 **M**L-DSD **H**L-QD⑩ *	-
	End1: **(M)** MM | End2: **(M)** MM	AB-DD78 **M**L-DD **M**L-QD⑩ *	-	AB-DSD78 **M**L-DSD **M**L-QD⑩ *	-
	End1: **(H)** MF | End2: **(B)** FM	-	AB-DD78 **H**L-DD **B**L-QD⑩ *	-	AB-DSD78 **H**L-DSD **B**L-QD⑩ *
	End1: **(M)** MM | End2: **(B)** FM	AB-DD78 **M**L-DD **B**L-QD⑩ *	-	AB-DSD78 **M**L-DSD **B**L-QD⑩ *	-
	End1: **(M)** MM | End2: **(F)** FF	AB-DD78 **M**L-DD **F**L-QD⑩ *	-	AB-DSD78 **M**L-DSD **F**L-QD⑩ *	-

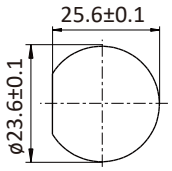
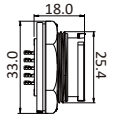
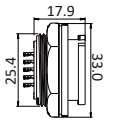
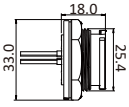
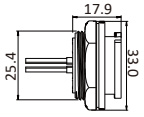
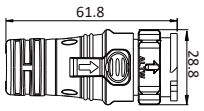
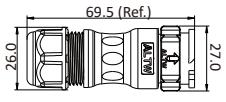
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

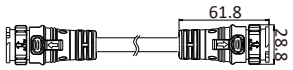
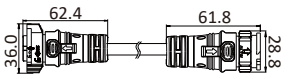
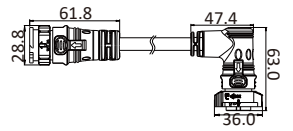
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector/Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF

	End1: **(H)** MF | End2: **(B)** FM	-	AB-DD78 **H**L-DD **B**R-QD⑩ *	-	AB-DSD78 **H**L-DSD **B**R-QD⑩ *
	End1: **(M)** MM | End2: **(F)** FF	AB-DD78 **M**L-DD **F**R-QD⑩ *	-	AB-DSD78 **M**L-DSD **B**R-QD⑩ *	-
	End1: **(M)** MM | End2: **(B)** FM	AB-DD78 **M**L-DD **B**R-QD⑩ *	-	AB-DSD78 **M**L-DSD **F**R-QD⑩ *	-

***Upon Request**

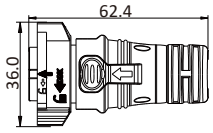
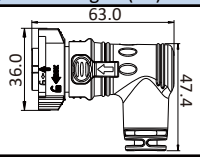
[1)] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

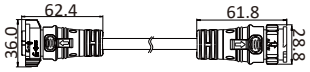
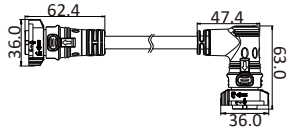
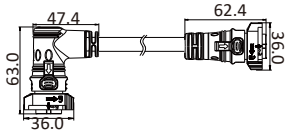
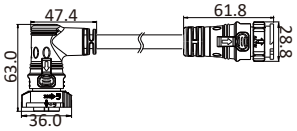
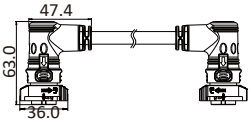
No of Contacts	**Panel Cut Out**		100			
Rated Voltage (AC/DC)	Circular Flange (D Cut)		60V			
Nominal Current			0.5A			
Plastic / Metal			Plastic		Metal	
Pin Assignment **MM**: Male Connector Male Contact **MF**: Male Connector Female Contact			MM	MF	MM	MF
Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm						
	Solder Type (For Data Group)		DD-100P**MM**S-QC8001*	DD-100P**MF**S-QC8001*	DSD-100P**MM**S-QC8001*	DSD-100P**MF**S-QC8001*
	180° PCB Type (For Data Group)		DD-100P**MM**P-QC8001*	DD-100P**MF**P-QC8001*	DSD-100P**MM**P-QC8001*	DSD-100P**MF**P-QC8001*
Receptacle, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm						
	Solder Type (For Data Group)		DD-100R**MM**S-QC8001*	DD-100R**MF**S-QC8001*	DSD-100R**MM**S-QC8001*	DSD-100R**MF**S-QC8001*
Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm 11 Wire Length: (10) 100mm ~ (50) 500mm [1)]						
	UL1430, XL-PVC Jacket		DD-100P**MM**S-QC8A11*	DD-100P**MF**S-QC8A11*	DSD-100P**MM**S-QC8A11*	DSD-100P**MF**S-QC8A11*
Receptacle With Wires, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm 11 Wire Length: (10) 100mm ~ (50) 500mm [1)]						
	UL1430, XL-PVC Jacket		DD-100R**MM**S-QC8A11*	DD-100R**MF**S-QC8A11*	DSD-100R**MM**S-QC8A11*	DSD-100R**MF**S-QC8A11*
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]						
	UL21388, PVC Jacket (For Data Group)		DD-100A**MM**M-QL8D11*	DD-100A**MF**M-QL8D11*	DSD-100A**MM**M-QL8D11*	DSD-100A**MF**M-QL8D11*
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.0 ~ 8.0mm						
	Solder Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-100B**MM**G-QL8AP0*	DD-100B**MF**G-QL8AP0*	DSD-100B**MM**G-QL8AP0*	DSD-100BMF**G**-QL8AP0*
		8.0 ~ 10.0mm Red Seal	DD-100B**MM**G-QL8SP0*	DD-100B**MF**G-QL8SP0*	DSD-100B**MM**G-QL8SP0*	DSD-100B**MF**G-QL8SP0*
		10.0 ~ 12.0mm Yellow Seal	DD-100B**MM**G-QL8MP0*	DD-100B**MF**G-QL8MP0*	DSD-100**MM**G-QL8MP0*	DSD-100B**MF**G-QL8MP0*
		12.0 ~ 14.0mm Blue Seal	DD-100B**MM**G-QL8LP0*	DD-100B**MF**G-QL8LP0*	DSD-100B**MM**G-QL8LP0*	DSD-100B**MF**G-QL8LP0*

No of Contacts		100			
Rated Voltage (AC/DC)		60V			
Nominal Current		0.5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment **MM**: Male Connector Male Contact **FF**: Female Connector Female Contact **MF**: Male Connector Female Contact **FM**: Female Connector Male Contact					
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector/Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF					
	End1: **(H)** MF | End2: **(H)** MF	-	AB-DD100**H**L-DD**H**L-QD⑩*	-	AB-DSD100**H**L-DSD**H**L-QD⑩*
	End1: **(M)** MM | End2: **(H)** MF	AB-DD100**M**L-DD**H**L-QD⑩*	-	AB-DSD100**M**L-DSD**H**L-QD⑩*	-
	End1: **(M)** MM | End2: **(M)** MM	AB-DD100**M**L-DD**M**L-QD⑩*	-	AB-DSD100**M**L-DSD**M**L-QD⑩*	-
	End1: **(H)** MF | End2: **(B)** FM	-	AB-DD100**H**L-DD**B**L-QD⑩*	-	AB-DSD100**H**L-DSD**B**L-QD⑩*
	End1: **(M)** MM | End2: **(B)** FM	AB-DD100**M**L-DD**B**L-QD⑩*	-	AB-DSD100**M**L-DSD**B**L-QD⑩*	-
	End1: **(M)** MM | End2: **(F)** FF	AB-DD100**M**L-DD**F**L-QD⑩*	-	AB-DSD100**M**L-DSD**F**L-QD⑩*	-
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector/Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM					
	End1: **(H)** MF | End2: **(B)** FM	-	AB-DD100**H**L-DD**B**R-QD⑩*	-	AB-DSD100**H**L-DSD**B**R-QD⑩*
	End1: **(M)** MM | End2: **(F)** FF	AB-DD100**M**L-DD**F**R-QD⑩*	-	AB-DSD100**M**L-DSD**B**R-QD⑩*	-
	End1: **(M)** MM | End2: **(B)** FM	AB-DD100**M**L-DD**B**R-QD⑩*	-	AB-DSD100**M**L-DSD**F**R-QD⑩*	-

***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	2	
Rated Voltage (AC/DC)	300V	
Nominal Current	20A	
Plastic / Metal	Plastic	
Pin Assignment **MM** : Male Connector Male Contact **FF** : Female Connector Female Contact **MF** : Male Connector Female Contact **FM** : Female Connector Male Contact **M+F**: Male PWR + Female GND **F+M**: Female PWR + Male GND	FF	FM
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]		
	UL SJTW, PVC Jacket (For Power Group)	DC-02A**FF**M-QL8E 11	DC-02A**FM**M-QL8E 11
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]		
	UL SJTW, PVC Jacket (For Power Group)	DC-02A**FF**M-QR8E 11	DC-02A**FM**M-QR8E 11

STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF			
	End1: **(F)** FF | End2: **(F)** FF	AB-DC02**F**L-DC**F**L-QE 10	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DC02**F**L-DC**B**L-QE 10	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-DC02**B**L-DC**B**L-QE 10
	End1: **(F)** FF | End2: **(H)** MF	AB-DC02**F**L-DC**H**L-QE 10	-
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM			
	End1: **(F)** FF | End2: **(F)** FF	AB-DC02**F**L-DC**F**R-QE 10	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DC02**F**L-DC**B**R-QE 10	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-DC02**B**L-DC**B**R-QE 10
RIGHT ANGLE-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF			
	End1: **(F)** FF | End2: **(B)** FM	AB-DC02**F**R-DC**B**L-QE 10	-
	End1: **(F)** FF | End2: **(H)** MF	AB-DC02**F**R-DC**H**L-QE 10	-
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM			
	End1: **(F)** FF | End2: **(F)** FF	AB-DC02**F**R-DC**F**R-QE 10	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DC02**F**R-DC**B**R-QE 10	AB-DC02**B**R-DC**B**R-QE 10

***Upon Request**

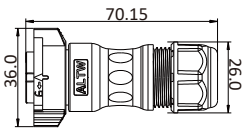
[1)] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

Large D Size

Mating Pair Page: **117~118**

No of Contacts	2	
Rated Voltage (AC/DC)	300V	
Nominal Current	20A	
Plastic / Metal	Plastic	
Pin Assignment **FF** : Female Connector Female Contact **FM** : Female Connector Male Contact	FF	FM

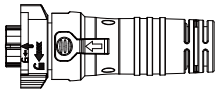
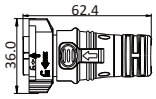
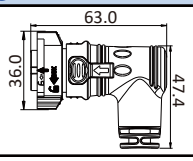
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated)
Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 8.0 ~ 10.0mm, (Yellow Seal) 10.0 ~ 12.0mm, (Blue Seal) 12.0 ~ 14.0mm

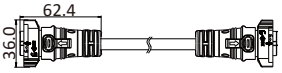
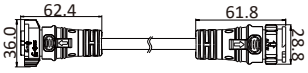
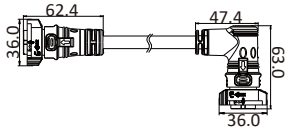
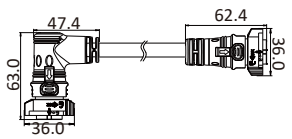
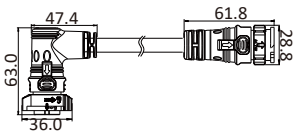
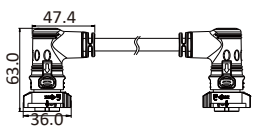


		FF	FM
Solder Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-02B **FF**G-QL8APP *	DC-02B **FM**G-QL8APP *
	8.0 ~ 10.0mm Red Seal	DC-02B **FF**G-QL8SPP *	DC-02B **FM**G-QL8SPP *
	10.0 ~ 12.0mm Yellow Seal	DC-02B **FF**G-QL8MPP *	DC-02B **FM**G-QL8MPP *
	12.0 ~ 14.0mm Blue Seal	DC-02B **FF**G-QL8LPP *	DC-02B **FM**G-QL8LPP *
Screw-in Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-02B **FF**B-QL8APP	DC-02B **FM**B-QL8APP
	8.0 ~ 10.0mm Red Seal	DC-02B **FF**B-QL8SPP	DC-02B **FM**B-QL8SPP
	10.0 ~ 12.0mm Yellow Seal	DC-02B **FF**B-QL8MPP	DC-02B **FM**B-QL8MPP
	12.0 ~ 14.0mm Blue Seal	DC-02B **FF**B-QL8LPP	DC-02B **FM**B-QL8LPP
Push-in Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-02B **FF**E-QL8APP *	DC-02B **FM**E-QL8APP *
	8.0 ~ 10.0mm Red Seal	DC-02B **FF**E-QL8SPP *	DC-02B **FM**E-QL8SPP *
	10.0 ~ 12.0mm Yellow Seal	DC-02B **FF**E-QL8MPP *	DC-02B **FM**E-QL8MPP *
	12.0 ~ 14.0mm Blue Seal	DC-02B **FF**E-QL8LPP *	DC-02B **FM**E-QL8LPP *
Crimp Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-02B **FF**A-QL8APP	DC-02B **FM**A-QL8APP
	8.0 ~ 10.0mm Red Seal	DC-02B **FF**A-QL8SPP	DC-02B **FM**A-QL8SPP
	10.0 ~ 12.0mm Yellow Seal	DC-02B **FF**A-QL8MPP	DC-02B **FM**A-QL8MPP
	12.0 ~ 14.0mm Blue Seal	DC-02B **FF**A-QL8LPP	DC-02B **FM**A-QL8LPP
Crimp Type, For Power Group, Packing: Connector Without Contact	All Seals	DC-02B **FF**A-QL8ANP	DC-02B **FM**A-QL8ANP
	8.0 ~ 10.0mm Red Seal	DC-02B **FF**A-QL8SNP	DC-02B **FM**A-QL8SNP
	10.0 ~ 12.0mm Yellow Seal	DC-02B **FF**A-QL8MNP	DC-02B **FM**A-QL8MNP
	12.0 ~ 14.0mm Blue Seal	DC-02B **FF**A-QL8LNP	DC-02B **FM**A-QL8LNP

***Upon Request**

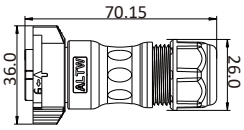
[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts		3		
Rated Voltage (AC/DC)		300V		
Nominal Current		20A		50A
Plastic / Metal		Plastic		Plastic
Pin Assignment **MM** : Male Connector Male Contact **FF** : Female Connector Female Contact **MF** : Male Connector Female Contact **FM** : Female Connector Male Contact **M+F** : Male PWR + Female GND, **F+M**: Female PWR + Male GND		FF	FM	FF
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1]				
	UL2517, PVC Jacket (For Power Group)	-	-	DM-03B**FF**M-QL8C 11
	UL SJTW, PVC Jacket (For Power Group)	DC-03A**FF**M-QL8E 11	DC-03A**FM**M-QL8E 11	-
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1]				
	UL2517, PVC Jacket (For Power Group)	-	-	DM-03B**FF**M-QR8C 11 *
	UL SJTW, PVC Jacket (For Power Group)	DC-03A**FF**M-QR8E 11	DC-03A**FM**M-QR8E 11	-

STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF				
	End1: **(F)** FF | End2: **(F)** FF	AB-DC03**F**L-DC**F**L-QE 10	-	AB-DM03**F**L-DM**F**L-QC 10 *
	End1: **(F)** FF | End2: **(B)** FM	AB-DC03**F**L-DC**B**L-QE 10	-	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-DC03**B**L-DC**B**L-QE 10	-
	End1: **(F)** FF | End2: **(H)** MF	AB-DC03**F**L-DC**H**L-QE 10	-	-
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF, **(B)** FM				
	End1: **(F)** FF | End2: **(F)** FF	AB-DC03**F**L-DC**F**R-QE 10	-	AB-DM03**F**L-DM**F**R-QC 10 *
	End1: **(F)** FF | End2: **(B)** FM	AB-DC03**F**L-DC**B**R-QE 10	-	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-DC03**B**L-DC**B**R-QE 10	-
RIGHT ANGLE-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF				
	End1: **(F)** FF | End2: **(B)** FM	AB-DC03**F**R-DC**B**L-QE 10	-	-
	End1: **(F)** FF | End2: **(H)** MF	AB-DC03**F**R-DC**H**L-QE 10	-	-
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF, **(B)** FM				
	End1: **(F)** FF | End2: **(F)** FF	AB-DC03**F**R-DC**F**R-QE 10	-	AB-DM03**F**R-DM**F**R-QC 10 *
	End1: **(F)** FF | End2: **(B)** FM	AB-DC03**F**R-DC**B**R-QE 10	AB-DC03**B**R-DC**B**R-QE 10	-

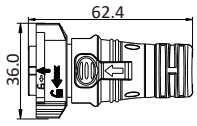
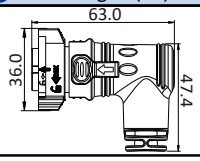
Large D Size

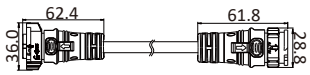
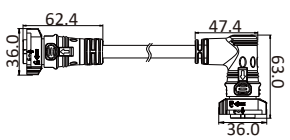
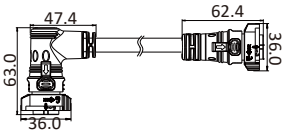
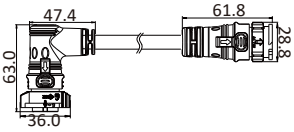
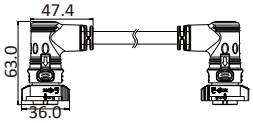
Mating Pair Page: **119~120**

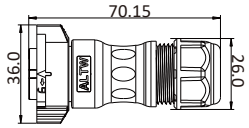
No of Contacts			3		
Rated Voltage (AC/DC)			300V		
Nominal Current			20A		50A
Plastic / Metal			Plastic		Plastic
Pin Assignment **FF** : Female Connector Female Contact **FM** : Female Connector Male Contact			FF	FM	FF
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 8.0 ~ 10.0mm, (Yellow Seal) 10.0 ~ 12.0mm, (Blue Seal) 12.0 ~ 14.0mm					
	Solder Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-03B**FF**G-QL8APP *	DC-03B**FM**G-QL8APP *	DM-03B**FF**G-QL8APP *
		8.0 ~ 10.0mm Red Seal	DC-03B**FF**G-QL8SPP *	DC-03B**FM**G-QL8SPP *	DM-03B**FF**G-QL8SPP *
		10.0 ~ 12.0mm Yellow Seal	DC-03B**FF**G-QL8MPP *	DC-03B**FM**G-QL8MPP *	DM-03B**FF**G-QL8MPP *
		12.0 ~ 14.0mm Blue Seal	DC-03B**FF**G-QL8LPP *	DC-03B**FM**G-QL8LPP *	DM-03B**FF**G-QL8LPP *
	Screw-in Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-03B**FF**B-QL8APP	DC-03B**FM**B-QL8APP	DM-03B**FF**B-QL8APP *
		8.0 ~ 10.0mm Red Seal	DC-03B**FF**B-QL8SPP	DC-03B**FM**B-QL8SPP	DM-03B**FF**B-QL8SPP *
		10.0 ~ 12.0mm Yellow Seal	DC-03B**FF**B-QL8MPP	DC-03B**FM**B-QL8MPP	DM-03B**FF**B-QL8MPP *
		12.0 ~ 14.0mm Blue Seal	DC-03B**FF**B-QL8LPP	DC-03B**FM**B-QL8LPP	DM-03B**FF**B-QL8LPP *
	Push-in Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-03B**FF**E-QL8APP *	DC-03B**FM**E-QL8APP *	DM-03B**FF**E-QL8APP *
		8.0 ~ 10.0mm Red Seal	DC-03B**FF**E-QL8SPP *	DC-03B**FM**E-QL8SPP *	DM-03B**FF**E-QL8SPP *
		10.0 ~ 12.0mm Yellow Seal	DC-03B**FF**E-QL8MPP *	DC-03B**FM**E-QL8MPP *	DM-03B**FF**E-QL8MPP *
		12.0 ~ 14.0mm Blue Seal	DC-03B**FF**E-QL8LPP *	DC-03B**FM**E-QL8LPP *	DM-03B**FF**E-QL8LPP *
	Crimp Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-03B**FF**A-QL8APP	DC-03B**FM**A-QL8APP	DM-03B**FF**A-QL8APP *
		8.0 ~ 10.0mm Red Seal	DC-03B**FF**A-QL8SPP	DC-03B**FM**A-QL8SPP	DM-03B**FF**A-QL8SPP *
		10.0 ~ 12.0mm Yellow Seal	DC-03B**FF**A-QL8MPP	DC-03B**FM**A-QL8MPP	DM-03B**FF**A-QL8MPP *
		12.0 ~ 14.0mm Blue Seal	DC-03B**FF**A-QL8LPP	DC-03B**FM**A-QL8LPP	DM-03B**FF**A-QL8LPP *
	Crimp Type, For Power Group, Packing: Connector Without Contact	All Seals	DC-03B**FF**A-QL8ANP	DC-03B**FM**A-QL8ANP	-
		8.0 ~ 10.0mm Red Seal	DC-03B**FF**A-QL8SNP	DC-03B**FM**A-QL8SNP	-
		10.0 ~ 12.0mm Yellow Seal	DC-03B**FF**A-QL8MNP	DC-03B**FM**A-QL8MNP	-
		12.0 ~ 14.0mm Blue Seal	DC-03B**FF**A-QL8LNP	DC-03B**FM**A-QL8LNP	-

***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

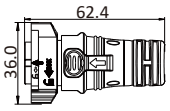
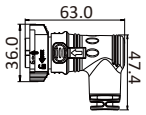
No of Contacts		4	
Rated Voltage (AC/DC)		300V	
Nominal Current		20A	
Plastic / Metal		Plastic	
Pin Assignment **MM** : Male Connector Male Contact **FF** : Female Connector Female Contact **MF** : Male Connector Female Contact **FM** : Female Connector Male Contact **M+F** : Male PWR + Female GND, **F+M**: Female PWR + Male GND		FF	FM
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]			
	UL SJTW, PVC Jacket (For Power Group)	DC-04A **FF**M-QL8E 11 *	DC-04A **FM**M-QL8E 11 *
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]			
	UL SJTW, PVC Jacket (For Power Group)	DC-04A **FF**M-QR8E 11 *	DC-04A **FM**M-QR8E 11 *

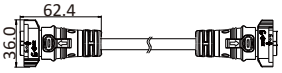
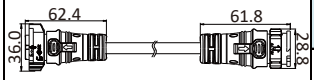
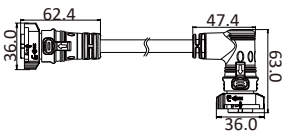
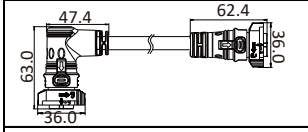
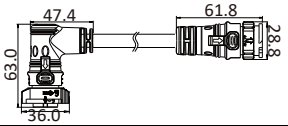
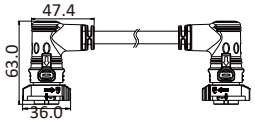
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF			
	End1: **(F)** FF | End2: **(F)** FF	AB-DC04 **F**L-DC**F**L-QE 10 *	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DC04 **F**L-DC**B**L-QE 10 *	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-DC04 **B**L-DC**B**L-QE 10 *
	End1: **(F)** FF | End2: **(H)** MF	AB-DC04 **F**L-DC**H**L-QE 10 *	-
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM			
	End1: **(F)** FF | End2: **(F)** FF	AB-DC04 **F**L-DC**F**R-QE 10 *	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DC04 **F**L-DC**B**R-QE 10 *	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-DC04 **B**L-DC**B**R-QE 10 *
RIGHT ANGLE-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF			
	End1: **(F)** FF | End2: **(B)** FM	AB-DC04 **F**R-DC**B**L-QE 10 *	-
	End1: **(F)** FF | End2: **(H)** MF	AB-DC04 **F**R-DC**H**L-QE 10 *	-
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM			
	End1: **(F)** FF | End2: **(F)** FF	AB-DC04 **F**R-DC**F**R-QE 10 *	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DC04 **F**R-DC**B**R-QE 10 *	AB-DC04 **B**R-DC**B**R-QE 10 *

No of Contacts			4	
Rated Voltage (AC/DC)			300 ~ 600V	
Nominal Current			20A	
Plastic / Metal			Plastic	
Pin Assignment **FF** : Female Connector Female Contact **FM** : Female Connector Male Contact			FF	FM
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 8.0 ~ 10.0mm, (Yellow Seal) 10.0 ~ 12.0mm, (Blue Seal) 12.0 ~ 14.0mm				
	Solder Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-04B **FF**G-QL8APP *	DC-04B **FM**G-QL8APP *
		8.0 ~ 10.0mm Red Seal	DC-04B **FF**G-QL8SPP *	DC-04B **FM**G-QL8SPP *
		10.0 ~ 12.0mm Yellow Seal	DC-04B **FF**G-QL8MPP *	DC-04B **FM**G-QL8MPP *
		12.0 ~ 14.0mm Blue Seal	DC-04B **FF**G-QL8LPP *	DC-04B **FM**G-QL8LPP *
	Screw-in Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-04B **FF**B-QL8APP	DC-04B **FM**B-QL8APP
		8.0 ~ 10.0mm Red Seal	DC-04B **FF**B-QL8SPP	DC-04B **FM**B-QL8SPP
		10.0 ~ 12.0mm Yellow Seal	DC-04B **FF**B-QL8MPP	DC-04B **FM**B-QL8MPP
		12.0 ~ 14.0mm Blue Seal	DC-04B **FF**B-QL8LPP	DC-04B **MF**B-QL8LPP
	Push-in Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-04B **FF**E-QL8APP *	DC-04B **FM**E-QL8APP *
		8.0 ~ 10.0mm Red Seal	DC-04B **FF**E-QL8SPP *	DC-04B **FM**E-QL8SPP *
		10.0 ~ 12.0mm Yellow Seal	DC-04B **FF**E-QL8MPP *	DC-04B **FM**E-QL8MPP *
		12.0 ~ 14.0mm Blue Seal	DC-04B **FF**E-QL8LPP *	DC-04B **FM**E-QL8LPP *
	Crimp Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-04B **FF**A-QL8APP *	DC-04B **FM**A-QL8APP *
		8.0 ~ 10.0mm Red Seal	DC-04B **FF**A-QL8SPP *	DC-04B **FM**A-QL8SPP *
		10.0 ~ 12.0mm Yellow Seal	DC-04B **FF**A-QL8MPP *	DC-04B **FM**A-QL8MPP *
		12.0 ~ 14.0mm Blue Seal	DC-04B **FF**A-QL8LPP *	DC-04B **FM**A-QL8LPP *
	Crimp Type, For Power Group, Packing: Connector Without Contact	All Seals	DC-04B **FF**A-QL8ANP*	DC-04B **FM**A-QL8ANP*
		8.0 ~ 10.0mm Red Seal	DC-04B **FF**A-QL8SNP *	DC-04B **FM**A-QL8SNP *
		10.0 ~ 12.0mm Yellow Seal	DC-04B **FF**A-QL8MNP *	DC-04B **FM**A-QL8MNP *
		12.0 ~ 14.0mm Blue Seal	DC-04B **FF**A-QL8LNP*	DC-04B **FM**A-QL8LNP*

***Upon Request**

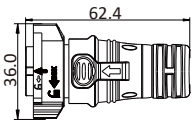
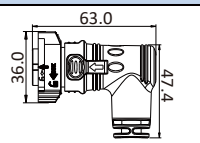
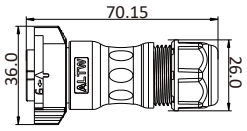
[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

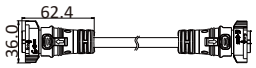
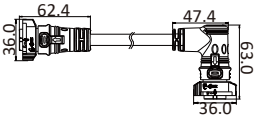
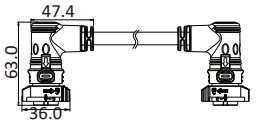
No of Contacts		4 (3+1)			
Rated Voltage (AC/DC)		300V			
Nominal Current		20A+5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment **MM** : Male Connector Male Contact **FF** : Female Connector Female Contact **MF** : Male Connector Female Contact **FM** : Female Connector Male Contact **M+F** : Male PWR + Female GND, **F+M**: Female PWR + Male GND		FF	FM	FF	FM
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]					
	UL2517, PVC Jacket (For Hybrid Group)	DCD-04A**FF**M-QL8C11*	DCD-04A**FM**M-QL8C11*	DSCD-04A**FF**M-QL8C11*	DSCD-04A**FM**M-QL8C11*
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]					
	UL2517, PVC Jacket (For Hybrid Group)	DCD-04A**FF**M-QR8C11*	DCD-04A**FM**M-QR8C11*	DSCD-04A**FF**M-QR8C11*	DSCD-04A**FM**M-QR8C11*

STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF, **(W)** F/F+M, **(X)** F/M+F, **(U)** M/F+M					
	End1: **(F)** FF | End2: **(F)** FF	AB-DCD04**FL**-DCD**FL**-QC10*	-	AB-DSCD04**FL**-DSCD**FL**-QC10*	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DCD04**FL**-DCD**BL**-QC10*	-	AB-DSCD04**FL**-DSCD**BL**-QC10*	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-DCD04**BL**-DCD**BL**-QC10*	-	AB-DSCD04**BL**-DSCD**BL**-QC10*
	End1: Female Conn Female+Male Contact End1: Female Conn Female+Male Contact	AB-DCD04**XL**-DCD**XL**-QC10*	AB-DCD04**WL**-DCD**WL**-QC10*	AB-DSCD04**XL**-DSCD**XL**-QC10*	AB-DSCD04**WL**-DSCD**WL**-QC10*
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD04**WL**-DCD**XL**-QC10*	-	AB-DSCD04**WL**-DSCD**XL**-QC10*
	End1: **(F)** FF | End2: **(H)** MF	AB-DCD04**FL**-DCD**HL**-QC10*	-	AB-DSCD04**FL**-DSCD**HL**-QC10*	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD04**WL**-DCD**UL**-QC10*	-	AB-DSCD04**WL**-DSCD**UL**-QC10*
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(W)** F/F+M, **(X)** F/M+F					
	End1: **(F)** FF | End2: **(F)** FF	AB-DCD04**FL**-DCD**FR**-QC10*	-	AB-DSCD04**FL**-DSCD**FR**-QC10*	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DCD04**FL**-DCD**BR**-QC10*	-	AB-DSCD04**FL**-DSCD**BR**-QC10*	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-DCD04**BL**-DCD**BR**-QC10*		AB-DSCD04**BL**-DSCD**BR**-QC10*
	End1: Female Conn Female+Male Contact End1: Female Conn Female+Male Contact	AB-DCD04**XL**-DCD**XR**-QC10*	AB-DCD04**WL**-DCD**WR**-QC10*	AB-DSCD04**XL**-DSCD**XR**-QC10*	AB-DSCD04**WL**-DSCD**WR**-QC10*
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD04**WL**-DCD**XR**-QC10*		AB-DSCD04**WL**-DSCD**XR**-QC10*
RIGHT ANGLE-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF, **(W)** F/F+M, **(X)** F/M+F, **(U)** M/F+M					
	End1: **(F)** FF | End2: **(B)** FM	AB-DCD04**FR**-DCD**BL**-QC10*	-	AB-DSCD04**FR**-DSCD**BL**-QC10*	-
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD04**WR**-DCD**XL**-QC10*	-	AB-DSCD04**WR**-DSCD**XL**-QC10*
	End1: **(F)** FF | End2: **(H)** MF	AB-DCD04**FR**-DCD**HL**-QC10*	-	AB-DSCD04**FR**-DSCD**HL**-QC10*	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD04**WR**-DCD**UL**-QC10*	-	AB-DSCD04**WR**-DSCD**UL**-QC10*
RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(W)** F/F+M, **(X)** F/M+F					
	End1: **(F)** FF | End2: **(F)** FF	AB-DCD04**FR**-DCD**FR**-QC10*	-	AB-DSCD04**FR**-DSCD**FR**-QC10*	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DCD04**FR**-DCD**BR**-QC10*	AB-DCD04**BR**-DCD**BR**-QC10*	AB-DSCD04**FR**-DSCD**BR**-QC10*	-
	End1: **(B)** FM | End2: **(B)** FM	-	-	-	AB-DSCD04**BR**-DSCD**BR**-QC10*
	End1: Female Conn Female+Male Contact End1: Female Conn Female+Male Contact	AB-DCD04**XR**-DCD**XR**-QC10*	AB-DCD04**WR**-DCD**WR**-QC10*	AB-DSCD04**XR**-DSCD**XR**-QC10*	AB-DSCD04**WR**-DSCD**WR**-QC10*
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD04**WR**-DCD**XR**-QC10*	-	AB-DSCD04**WR**-DSCD**XR**-QC10*

Large D Size

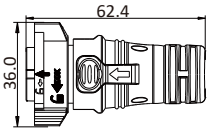
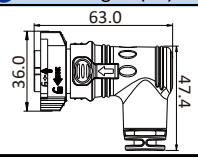
Mating Pair Page: **125**

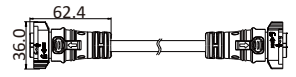
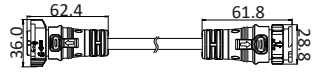
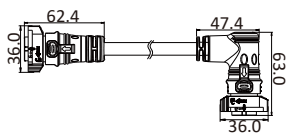
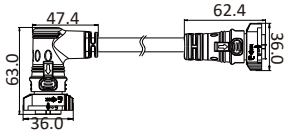
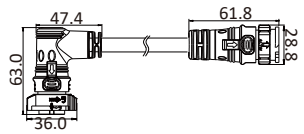
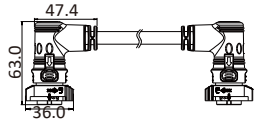
No of Contacts		4 (3+1)	
Rated Voltage (AC/DC)		300V	
Nominal Current		50A+5A	
Plastic / Metal		Plastic	Metal
Pin Assignment **FF**: Female Connector Female Contact		FF	FF
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]			
	UL2517, PVC Jacket (For Power Group)	DMD-04B**FF**M-QL8C11*	DSMD-04B**FF**M-QL8C11*
	UL21996, PVC Jacket (For Hybrid Group)	DMD-04B**FF**M-QL8F11*	DSMD-04B**FF**M-QL8F11*
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]			
	UL2517, PVC Jacket (For Power Group)	DMD-04B**FF**M-QL8C11*	DSMD-04B**FF**M-QL8C11*
	UL21996, PVC Jacket (For Hybrid Group)	DMD-04B**FF**M-QL8F11*	DSMD-04B**FF**M-QL8F11*
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 8.0 ~ 10.0mm, (Yellow Seal) 10.0 ~ 12.0mm, (Blue Seal) 12.0 ~ 14.0mm			
	Crimp Type, For Power Group, Packing: Connector With Contacts	All Seals	DMD-04B**FF**A-QL8APP* / DSMD-04B**FF**A-QL8APP*
		8.0 ~ 10.0mm Red Seal	DMD-04B**FF**A-QL8SPP* / DSMD-04B**FF**A-QL8SPP*
		10.0 ~ 12.0mm Yellow Seal	DMD-04B**FF**A-QL8MPP* / DSMD-04B**FF**A-QL8MPP*
		12.0 ~ 14.0mm Blue Seal	DMD-04B**FF**A-QL8LPP* / DSMD-04B**FF**A-QL8LPP*

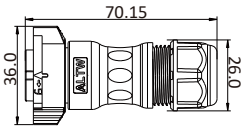
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF			
	End1: **(F)** FF | End2: **(F)** FF	AB-DMD04**F**L-DMD**F**L-QC10*	AB-DSMD04**F**L-DSMD**F**L-QC10*
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF			
	End1: **(F)** FF | End2: **(F)** FF	AB-DMD04**F**L-DMD**F**R-QC10*	AB-DSMD04**F**L-DSMD**F**R-QC10*
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF			
	End1: **(F)** FF | End2: **(F)** FF	AB-DMD04**F**R-DMD**F**R-QC10*	AB-DSMD04**F**R-DSMD**F**R-QC10*

***Upon Request**

[1)] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts		5	
Rated Voltage (AC/DC)		300V	
Nominal Current		20A	
Plastic / Metal		Plastic	
Pin Assignment **MM** : Male Connector Male Contact **FF** : Female Connector Female Contact **MF** : Male Connector Female Contact **FM** : Female Connector Male Contact **M+F** : Male PWR + Female GND, **F+M**: Female PWR + Male GND		FF	FM
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]			
	UL SJTW, PVC Jacket (For Power Group)	DC-05A **FF**M-QL8E 11	DC-05A **FM**M-QL8E 11
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]			
	UL SJTW, PVC Jacket (For Power Group)	DC-05A **FF**M-QR8E 11	DC-05A **FM**M-QR8E 11

STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF			
	End1: **(F)** FF | End2: **(F)** FF	AB-DC05 **F**L-DC**F**L-QE 10	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DC05 **F**L-DC**B**L-QE 10	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-DC05 **B**L-DC**B**L-QE 10
	End1: **(F)** FF | End2: **(H)** MF	AB-DC05 **F**L-DC**H**L-QE 10	-
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM			
	End1: **(F)** FF | End2: **(F)** FF	AB-DC05 **F**L-DC**F**R-QE 10	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DC05 **F**L-DC**B**R-QE 10	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-DC05 **B**L-DC**B**R-QE 10
RIGHT ANGLE-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF			
	End1: **(F)** FF | End2: **(B)** FM	AB-DC05 **F**R-DC**B**L-QE 10	-
	End1: **(F)** FF | End2: **(H)** MF	AB-DC05 **F**R-DC**H**L-QE 10	-
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM			
	End1: **(F)** FF | End2: **(F)** FF	AB-DC05 **F**R-DC**F**R-QE 10	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DC05 **F**R-DC**B**R-QE 10	AB-DC05 **B**R-DC**B**R-QE 10

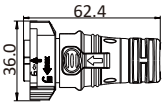
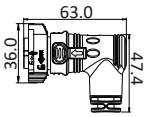
No of Contacts			5	
Rated Voltage (AC/DC)			300V	
Nominal Current			20A	
Plastic / Metal			Plastic	
Pin Assignment **FF** : Female Connector Female Contact **FM** : Female Connector Male Contact			FF	FM
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 8.0 ~ 10.0mm, (Yellow Seal) 10.0 ~ 12.0mm, (Blue Seal) 12.0 ~ 14.0mm				
	Solder Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-05B**FF**G-QL8APP *	DC-05B**FM**G-QL8APP *
		8.0 ~ 10.0mm Red Seal	DC-05B**FF**G-QL8SPP *	DC-05B**FM**G-QL8SPP *
		10.0 ~ 12.0mm Yellow Seal	DC-05B**FF**G-QL8MPP *	DC-05B**FM**G-QL8MPP *
		12.0 ~ 14.0mm Blue Seal	DC-05B**FF**G-QL8LPP *	DC-05B**FM**G-QL8LPP *
	Screw-in Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-05B**FF**B-QL8APP	DC-05B**FM**B-QL8APP
		8.0 ~ 10.0mm Red Seal	DC-05B**FF**B-QL8SPP	DC-05B**FM**B-QL8SPP
		10.0 ~ 12.0mm Yellow Seal	DC-05B**FF**B-QL8MPP	DC-05B**FM**B-QL8MPP
		12.0 ~ 14.0mm Blue Seal	DC-05B**FF**B-QL8LPP	DC-05B**FM**B-QL8LPP
	Push-in Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-05B**FF**E-QL8APP *	DC-05B**FM**E-QL8APP *
		8.0 ~ 10.0mm Red Seal	DC-05B**FF**E-QL8SPP *	DC-52B**FM**E-QL8SPP *
		10.0 ~ 12.0mm Yellow Seal	DC-05B**FF**E-QL8MPP *	DC-05B**FM**E-QL8MPP *
		12.0 ~ 14.0mm Blue Seal	DC-05B**FF**E-QL8LPP *	DC-05B**FM**E-QL8LPP *
	Crimp Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-05B**FF**A-QL8APP	DC-05B**FM**A-QL8APP
		8.0 ~ 10.0mm Red Seal	DC-05B**FF**A-QL8SPP	DC-05B**FM**A-QL8SPP
		10.0 ~ 12.0mm Yellow Seal	DC-05B**FF**A-QL8MPP	DC-05B**FM**A-QL8MPP
		12.0 ~ 14.0mm Blue Seal	DC-05B**FF**A-QL8LPP	DC-05B**FM**A-QL8LPP
	Crimp Type, For Power Group, Packing: Connector Without Contact	All Seals	DC-05B**FF**A-QL8ANP	DC-05B**FM**A-QL8ANP
		8.0 ~ 10.0mm Red Seal	DC-05B**FF**A-QL8SNP	DC-05B**FM**A-QL8SNP
		10.0 ~ 12.0mm Yellow Seal	DC-05B**FF**A-QL8MNP	DC-05B**FM**A-QL8MNP
		12.0 ~ 14.0mm Blue Seal	DC-05B**FF**A-QL8LNP	DC-05B**FM**A-QL8LNP

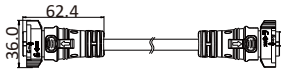
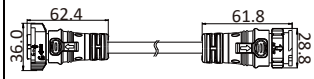
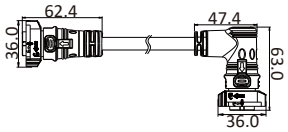
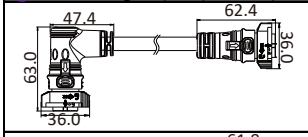
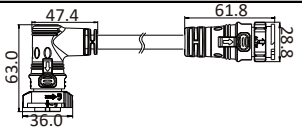
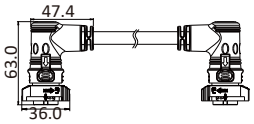
***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

Large D Size

Mating Pair Page:**128~129**

No of Contacts		5 (3+2)			
Rated Voltage (AC/DC)		300V			
Nominal Current		20A+5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment **MM**: Male Connector Male Contact **FF** : Female Connector Female Contact **MF**: Male Connector Female Contact **FM** : Female Connector Male Contact **M+F**: Male PWR + Female GND, **F+M**: Female PWR + Male GND		FF	FM	FF	FM
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]					
	UL2517, PVC Jacket (For Hybrid Group)	DCD-05A**FF**M-QL8C11*	DCD-05A**FM**M-QL8C11*	DSCD-05A**FF**M-QL8C11*	DSCD-05A**FM**M-QL8C11*
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]					
	UL2517, PVC Jacket (For Hybrid Group)	DCD-05A**FF**M-QR8C11*	DCD-05A**FM**M-QR8C11*	DSCD-05A**FF**M-QR8C11*	DSCD-05A**FM**M-QR8C11*

STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF, **(W)** F/F+M, **(X)** F/M+F, **(U)** M/F+M					
	End1: **(F)** FF | End2: **(F)** FF	AB-DCD05**FL**-DCD**FL**-QC10*	-	AB-DSCD05**FL**-DSCD**FL**-QC10*	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DCD05**FL**-DCD**BL**-QC10*	-	AB-DSCD05**FL**-DSCD**BL**-QC10*	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-DCD05**BL**-DCD**BL**-QC10*	-	AB-DSCD05**BL**-DSCD**BL**-QC10*
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD05**XL**-DCD**XL**-QC10*	AB-DCD05**WL**-DCD**WL**-QC10*	AB-DSCD05**XL**-DSCD**XL**-QC10*	AB-DSCD05**WL**-DSCD**WL**-QC10*
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD05**WL**-DCD**XL**-QC10*	-	AB-DSCD05**WL**-DSCD**XL**-QC10
	End1: **(F)** FF | End2: **(H)** MF	AB-DCD05**FL**-DCD**HL**-QC10*	-	AB-DSCD05**FL**-DSCD**HL**-QC10*	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD05**WL**-DCD**UL**-QC10*	-	AB-DSCD05**WL**-DSCD**UL**-QC10*
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF, **(W)** F/F+M, **(X)** F/M+F					
	End1: **(F)** FF | End2: **(F)** FF	AB-DCD05**FL**-DCD**FR**-QC10*	-	AB-DSCD05**FL**-DSCD**FR**-QC10*	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DCD05**FL**-DCD**BR**-QC10*	-	AB-DSCD05**FL**-DSCD**BR**-QC10*	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-DCD05**BL**-DCD**BR**-QC10*	-	AB-DSCD05**BL**-DSCD**BR**-QC10*
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD05**XL**-DCD**XR**-QC10*	AB-DCD05**WL**-DCD**WR**-QC10*	AB-DSCD05**XL**-DSCD**XR**-QC10*	AB-DSCD05**WL**-DSCD**WR**-QC10*
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD05**WL**-DCD**XR**-QC10*	-	AB-DSCD05**WL**-DSCD**XR**-QC10*
RIGHT ANGLE-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF, **(W)** F/F+M, **(X)** F/M+F, **(U)** M/F+M					
	End1: **(F)** FF | End2: **(B)** FM	AB-DCD05**FR**-DCD**BL**-QC10*	-	AB-DSCD05**FR**-DSCD**BL**-QC10*	-
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD05**WR**-DCD**XL**-QC10*	-	AB-DSCD05**WR**-DSCD**XL**-QC10*
	End1: **(F)** FF | End2: **(H)** MF	AB-DCD05**FR**-DCD**HL**-QC10*	-	AB-DSCD05**FR**-DSCD**HL**-QC10*	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD05**WR**-DCD**UL**-QC10*	-	AB-DSCD05**WR**-DSCD**UL**-QC10*
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(W)** F/F+M, **(X)** F/M+F					
	End1: **(F)** FF | End2: **(F)** FF	AB-DCD05**FR**-DCD**FR**-QC10*	-	AB-DSCD05**FR**-DSCD**FR**-QC10*	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DCD05**FR**-DCD**BR**-QC10*	AB-DCD05**BR**-DCD**BR**-QC10*	AB-DSCD05**FR**-DSCD**BR**-QC10*	-
	End1: **(B)** FM | End2: **(B)** FM	-	-	-	AB-DSCD05**BR**-DSCD**BR**-QC10*
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD05**XR**-DCD**XR**-QC10*	AB-DCD05**WR**-DCD**WR**-QC10*	AB-DSCD05**XR**-DSCD**XR**-QC10*	AB-DSCD05**WR**-DSCD**WR**-QC10*
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD05**WR**-DCD**XR**-QC10*	-	AB-DSCD05**WR**-DSCD**XR**-QC10*

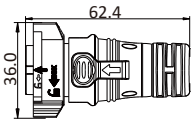
Large D Size

Mating Pair Page: **130**

No of Contacts	5 (3+2)	
Rated Voltage (AC/DC)	300V	
Nominal Current	50A+5A	
Plastic / Metal	Plastic	Metal
Pin Assignment **FF**: Female Connector Female Contact	FF	FF

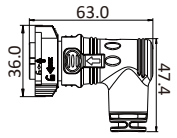
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)

11 Cable Length: (01) 1M ~ (99) 99M [1)]

	UL2517, PVC Jacket (For Power Group)	DMD-05B**FF**M-QL8C11*	DSMD-05B**FF**M-QL8C11*
	UL21996, PVC Jacket (For Hybrid Group)	DMD-05B**FF**M-QL8F11*	DSMD-05B**FF**M-QL8F11*

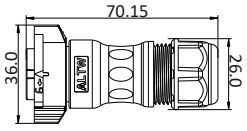
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)

11 Cable Length: (01) 1M ~ (99) 99M [1)]

	UL2517, PVC Jacket (For Power Group)	DMD-05B**FF**M-QL8C11*	DSMD-05B**FF**M-QL8C11*
	UL21996, PVC Jacket (For Hybrid Group)	DMD-05B**FF**M-QL8F11*	DSMD-05B**FF**M-QL8F11*

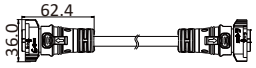
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated)

Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 8.0 ~ 10.0mm, (Yellow Seal) 10.0 ~ 12.0mm, (Blue Seal) 12.0 ~ 14.0mm

	Crimp Type, For Power Group, Packing: Connector With Contacts	All Seals	DMD-05B**FF**A-QL8APP*	DSMD-05B**FF**A-QL8APP*
		8.0 ~ 10.0mm Red Seal	DMD-05B**FF**A-QL8SPP*	DSMD-05B**FF**A-QL8SPP*
		10.0 ~ 12.0mm Yellow Seal	DMD-05B**FF**A-QL8MPP*	DSMD-05B**FF**A-QL8MPP*
		12.0 ~ 14.0mm Blue Seal	DMD-05B**FF**A-QL8LPP*	DSMD-05B**FF**A-QL8LPP*

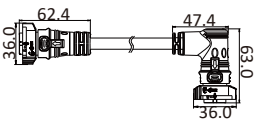
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF

	End1: **(F)** FF | End2: **(F)** FF	AB-DMD05**F**L-DMD**F**L-QC10*	AB-DSMD05**F**L-DSMD**F**L-QC10*

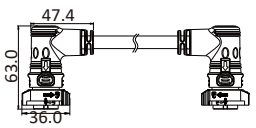
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF

	End1: **(F)** FF | End2: **(F)** FF	AB-DMD05**F**L-DMD**F**R-QC10*	AB-DSMD05**F**L-DSMD**F**R-QC10*

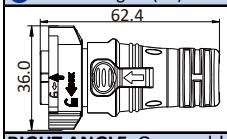
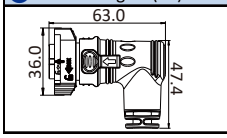
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

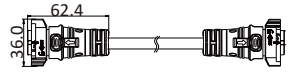
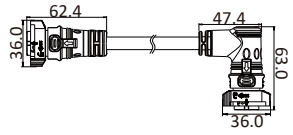
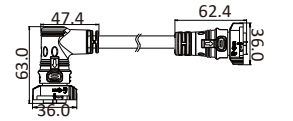
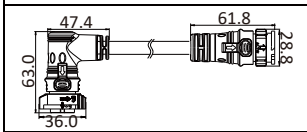
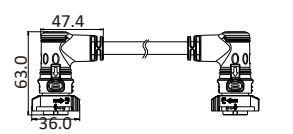
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF

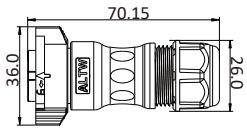
	End1: **(F)** FF | End2: **(F)** FF	AB-DMD05**F**R-DMD**F**R-QC10*	AB-DSMD05**F**R-DSMD**F**R-QC10*

***Upon Request**

[1)] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts		6 (3+3)			
Rated Voltage (AC/DC)		300V			
Nominal Current		20A+5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment		FF	FM	FF	FM
MM : Male Connector Male Contact **FF** : Female Connector Female Contact **MF** : Male Connector Female Contact **FM** : Female Connector Male Contact **M+F** : Male PWR + Female GND, **F+M**: Female PWR + Male GND					
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1]					
	UL2157, PVC Jacket (For Hybrid Group)	DCD-06A**FF**M-QL8C11	DCD-06A**FM**M-QL8C11	DSCD-06A**FF**M-QL8C11*	DSCD-06A**FM**M-QL8C11*
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1]					
	UL2157, PVC Jacket (For Hybrid Group)	DCD-06A**FF**M-QR8C11*	DCD-06A**FM**M-QR8C11*	DSCD-06A**FF**M-QR8C11*	DSCD-06A**FM**M-QR8C11*

STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF, **(W)** F/F+M, **(X)** F/M+F, **(U)** M/F+M					
	End1: **(F)** FF | End2: **(F)** FF	AB-DCD06**FL**-DCD**FL**-QC10*	-	AB-DSCD06**FL**-DSCD**FL**-QC10*	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DCD06**FL**-DCD**BL**-QC10*	-	AB-DSCD06**FL**-DSCD**BL**-QC10*	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-DCD06**BL**-DCD**BL**-QC10*	-	AB-DSCD06**BL**-DSCD**BL**-QC10*
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD06**XL**-DCD**XL**-QC10*	AB-DCD06**WL**-DCD**WL**-QC10*	AB-DSCD06**XL**-DSCD**XL**-QC10*	AB-DSCD06**WL**-DSCD**WL**-QC10*
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD06**WL**-DCD**XL**-QC10*	-	AB-DSCD06**WL**-DSCD**XL**-QC10*
	End1: **(F)** FF | End2: **(H)** MF	AB-DCD06**FL**-DCD**HL**-QC10*	-	AB-DSCD06**FL**-DSCD**HL**-QC10*	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD06**WL**-DCD**UL**-QC10*	-	AB-DSCD06**WL**-DSCD**UL**-QC10*
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF, **(W)** F/F+M, **(X)** F/M+F					
	End1: **(F)** FF | End2: **(F)** FF	AB-DCD06**FL**-DCD**FR**-QC10*	-	AB-DSCD06**FL**-DSCD**FR**-QC10*	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DCD06**FL**-DCD**BR**-QC10*	-	AB-DSCD06**FL**-DSCD**BR**-QC10*	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-DCD06**BL**-DCD**BR**-QC10*	-	AB-DSCD06**BL**-DSCD**BR**-QC10*
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD06**XL**-DCD**XR**-QC10*	AB-DCD06**WL**-DCD**WR**-QC10*	AB-DSCD06**XL**-DSCD**XR**-QC10*	AB-DSCD06**WL**-DSCD**WR**-QC10*
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD06**WL**-DCD**XR**-QC10*	-	AB-DSCD06**WL**-DSCD**XR**-QC10*
RIGHT ANGLE-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF, **(W)** F/F+M, **(X)** F/M+F, **(U)** M/F+M					
	End1: **(F)** FF | End2: **(B)** FM	AB-DCD06**FR**-DCD**BL**-QC10*	-	AB-DSCD06**FR**-DSCD**BL**-QC10*	-
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD06**WR**-DCD**XL**-QC10*	-	AB-DSCD06**WR**-DSCD**XL**-QC10*
	End1: **(F)** FF | End2: **(H)** MF	AB-DCD06**FR**-DCD**HL**-QC10*	-	AB-DSCD06**FR**-DSCD**HL**-QC10*	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD06**WR**-DCD**UL**-QC10*	-	AB-DSCD06**WR**-DSCD**UL**-QC10*
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF, **(W)** F/F+M, **(X)** F/M+F					
	End1: **(F)** FF | End2: **(F)** FF	AB-DCD06**FR**-DCD**FR**-QC10*	-	AB-DSCD06**FR**-DSCD**FR**-QC10*	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DCD06**FR**-DCD**BR**-QC10*	AB-DCD06**BR**-DCD**BR**-QC10*	AB-DSCD06**FR**-DSCD**BR**-QC10*	-
	End1: **(B)** FM | End2: **(B)** FM	-	-	-	AB-DSCD06**BR**-DSCD**BR**-QC10*
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD06**XR**-DCD**XR**-QC10*	AB-DCD06**WR**-DCD**WR**-QC10*	AB-DSCD06**XR**-DSCD**XR**-QC10*	AB-DSCD06**WR**-DSCD**WR**-QC10*
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD06**WR**-DCD**XR**-QC10*	-	AB-DSCD06**WR**-DSCD**XR**-QC10*

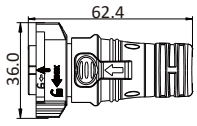
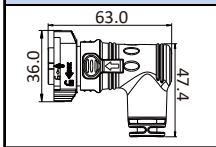
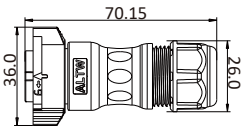
No of Contacts			6 (3+3)	
Rated Voltage (AC/DC)			300V	
Nominal Current			20A+5A	
Plastic / Metal			Plastic	
Pin Assignment **FF** : Female Connector Female Contact **FM** : Female Connector Male Contact			FF	FM
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm				
	Solder Type, For Hybrid Group, Packing: Connector With Contacts	8.0 ~ 14.5mm Dark Gray Seal	-	-
	Screw-in Type, For Hybrid Group, Packing: Connector With Contacts	8.0 ~ 14.5mm Dark Gray Seal	DCD-06B**FF**B-QL8001	DCD-06B**FM**B-QL8001
	Push-in Type, For Hybrid Group, Packing: Connector With Contacts	8.0 ~ 14.5mm Dark Gray Seal	-	-
	Crimp Type, For Hybrid Group, Packing: Connector With Contacts	8.0 ~ 14.5mm Dark Gray Seal	-	-
	Crimp Type, For Hybrid Group, Packing: Connector Without Contact	8.0 ~ 14.5mm Dark Gray Seal	-	-

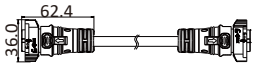
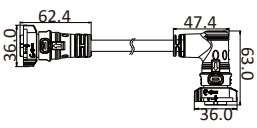
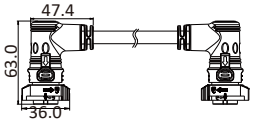
***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

Large D Size

Mating Pair Page: **133**

No of Contacts		6 (3+3)	
Rated Voltage (AC/DC)		300V	
Nominal Current		50A+5A	
Plastic / Metal		Plastic	Metal
Pin Assignment **FF**: Female Connector Female Contact		FF	FF
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]			
	UL2517, PVC Jacket (For Power Group)	DMD-06B**FF**M-QL8C11*	DSMD-06B**FF**M-QL8C11*
	UL21996, PVC Jacket (For Hybrid Group)	DMD-06B**FF**M-QL8F11*	DSMD-06B**FF**M-QL8F11*
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]			
	UL2517, PVC Jacket (For Power Group)	DMD-06B**FF**M-QL8C11*	DSMD-06B**FF**M-QL8C11*
	UL21996, PVC Jacket (For Hybrid Group)	DMD-06B**FF**M-QL8F11*	DSMD-06B**FF**M-QL8F11*
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 8.0 ~ 10.0mm, (Yellow Seal) 10.0 ~ 12.0mm, (Blue Seal) 12.0 ~ 14.0mm			
	Crimp Type, For Power Group, Packing: Connector With Contacts	All Seals	DMD-06B**FF**A-QL8APP* / DSMD-06B**FF**A-QL8APP*
		8.0 ~ 10.0mm Red Seal	DMD-06B**FF**A-QL8SPP* / DSMD-06B**FF**A-QL8SPP*
		10.0 ~ 12.0mm Yellow Seal	DMD-06B**FF**A-QL8MPP* / DSMD-06B**FF**A-QL8MPP*
		12.0 ~ 14.0mm Blue Seal	DMD-06B**FF**A-QL8LPP* / DSMD-06B**FF**A-QL8LPP*

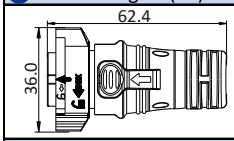
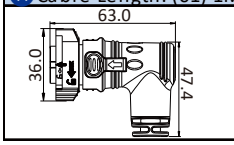
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF			
	End1: **(F)** FF | End2: **(F)** FF	AB-DMD06**F**L-DMD**F**L-QC10*	AB-DSMD06**F**L-DSMD**F**L-QC10*
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF			
	End1: **(F)** FF | End2: **(F)** FF	AB-DMD06**F**L-DMD**F**R-QC10*	AB-DSMD06**F**L-DSMD**F**R-QC10*
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF			
	End1: **(F)** FF | End2: **(F)** FF	AB-DMD06**F**R-DMD**F**R-QC10*	AB-DSMD06**F**R-DSMD**F**R-QC10*

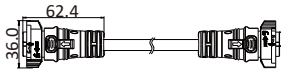
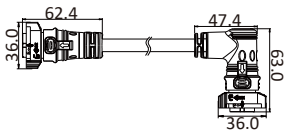
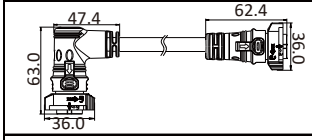
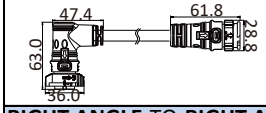
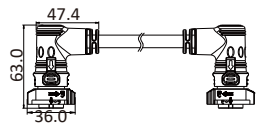
***Upon Request**

[1)] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

Large D Size

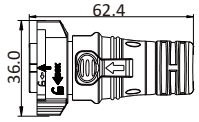
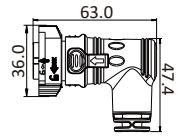
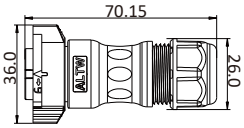
Mating Pair Page: **134~135**

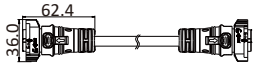
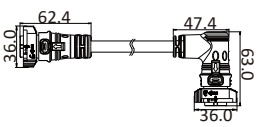
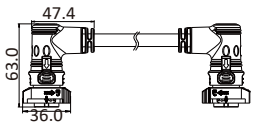
No of Contacts		7 (3+4)			
Rated Voltage (AC/DC)		300 ~ 600V			
Nominal Current		20A+5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment **MM**: Male Connector Male Contact **FF** : Female Connector Female Contact **MF** : Male Connector Female Contact **FM** : Female Connector Male Contact **M+F**: Male PWR + Female GND, **F+M**: Female PWR + Male GND		FF	FM	FF	FM
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]					
	UL21996, PVC Jacket (For Hybrid Group)	DCD-07A**FF**M-QL8F11*	DCD-07A**FM**M-QL8F11*	DSCD-07A**FF**M-QL8F11*	DSCD-07A**FM**M-QL8F11*
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]					
	UL21996, PVC Jacket (For Hybrid Group)	DCD-07A**FF**M-QR8F11*	DCD-07A**FM**M-QR8F11*	DSCD-07A**FF**M-QR8F11*	DSCD-07A**FM**M-QR8F11*

STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF, **(W)** F/F+M, **(X)** F/M+F, **(U)** M/F+M					
	End1: **(F)** FF | End2: **(F)** FF	AB-DCD07**F**L-DCD**F**L-QF10*	-	AB-DSCD07**F**L-DSCD**F**L-QF10*	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DCD07**F**L-DCD**B**L-QF10*	-	AB-DSCD07**F**L-DSCD**B**L-QF10*	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-DCD07**B**L-DCD**B**L-QF10*	-	AB-DSCD07**B**L-DSCD**B**L-QF10*
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD07**X**L-DCD**X**L-QF10*	AB-DCD07**W**L-DCD**W**L-QF10*	AB-DSCD07**X**L-DSCD**X**L-QF10*	AB-DSCD07**W**L-DSCD**W**L-QF10*
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD07**W**L-DCD**X**L-QF10*	-	AB-DSCD07**W**L-DSCD**X**L-QF10*
	End1: **(F)** FF | End2: **(H)** MF	AB-DCD07**F**L-DCD**H**L-QF10*	-	AB-DSCD07**F**L-DSCD**H**L-QF10*	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD07**W**L-DCD**U**L-QF10*	-	AB-DSCD07**W**L-DSCD**U**L-QF10*
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF, **(W)** F/F+M, **(X)** F/M+F					
	End1: **(F)** FF | End2: **(F)** FF	AB-DCD07**F**L-DCD**F**R-QF10*	-	AB-DSCD07**F**L-DSCD**F**R-QF10*	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DCD07**F**L-DCD**B**R-QF10*	-	AB-DSCD07**F**L-DSCD**B**R-QF10*	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-DCD07**B**L-DCD**B**R-QF10*	-	AB-DSCD07**B**L-DSCD**B**R-QF10*
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD07**X**L-DCD**X**R-QF10*	AB-DCD07**W**L-DCD**W**R-QF10*	AB-DSCD07**X**L-DSCD**X**R-QF10*	AB-DSCD07**W**L-DSCD**W**R-QF10*
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD07**W**L-DCD**X**R-QF10*	-	AB-DSCD07**W**L-DSCD**X**R-QF10*
RIGHT ANGLE-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF, **(W)** F/F+M, **(X)** F/M+F, **(U)** M/F+M					
	End1: **(F)** FF | End2: **(B)** FM	AB-DCD07**F**R-DCD**B**L-QF10*	-	AB-DSCD07**F**R-DSCD**B**L-QF10*	-
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD07**W**R-DCD**X**L-QF10*	-	AB-DSCD07**W**R-DSCD**X**L-QF10*
	End1: **(F)** FF | End2: **(H)** MF	AB-DCD07**F**R-DCD**H**L-QF10*	-	AB-DSCD07**F**R-DSCD**H**L-QF10*	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD07**W**R-DCD**U**L-QF10*	-	AB-DSCD07**W**R-DSCD**U**L-QF10*
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(W)** F/F+M, **(X)** F/M+F					
	End1: **(F)** FF | End2: **(F)** FF	AB-DCD07**F**R-DCD**F**R-QF10*	-	AB-DSCD07**F**R-DSCD**F**R-QF10*	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DCD07**F**R-DCD**B**R-QF10*	AB-DCD07**B**R-DCD**B**R-QF10*	AB-DSCD07**F**R-DSCD**B**R-QF10*	-
	End1: **(B)** FM | End2: **(B)** FM	-	-	-	AB-DSCD07**B**R-DSCD**B**R-QF10*
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD07**X**R-DCD**X**R-QF10*	AB-DCD07**W**R-DCD**W**R-QF10*	AB-DSCD07**X**R-DSCD**X**R-QF10*	AB-DSCD07**W**R-DSCD**W**R-QF10*
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD07**W**R-DCD**X**R-QF10*	-	AB-DSCD07**W**R-DSCD**X**R-QF10*

Large D Size

Mating Pair Page: **136**

No of Contacts		7 (3+4)	
Rated Voltage (AC/DC)		300V	
Nominal Current		50A+5A	
Plastic / Metal		Plastic	Metal
Pin Assignment **FF**: Female Connector Female Contact		FF	FF
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1]			
	UL2517, PVC Jacket (For Power Group)	DMD-07B**FF**M-QL8C11*	DSMD-07B**FF**M-QL8C11*
	UL21996, PVC Jacket (For Hybrid Group)	DMD-07B**FF**M-QL8F11*	DSMD-07B**FF**M-QL8F11*
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1]			
	UL2517, PVC Jacket (For Power Group)	DMD-07B**FF**M-QL8C11*	DSMD-07B**FF**M-QL8C11*
	UL21996, PVC Jacket (For Hybrid Group)	DMD-07B**FF**M-QL8F11*	DSMD-07B**FF**M-QL8F11*
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 8.0 ~ 10.0mm, (Yellow Seal) 10.0 ~ 12.0mm, (Blue Seal) 12.0 ~ 14.0mm			
	Crimp Type, For Power Group, Packing: Connector With Contacts	All Seals	DMD-07B**FF**A-QL8APP*	DSMD-07B**FF**A-QL8APP*
		8.0 ~ 10.0mm Red Seal	DMD-07B**FF**A-QL8SPP*	DSMD-07B**FF**A-QL8SPP*
		10.0 ~ 12.0mm Yellow Seal	DMD-07B**FF**A-QL8MPP*	DSMD-07B**FF**A-QL8MPP*
		12.0 ~ 14.0mm Blue Seal	DMD-07B**FF**A-QL8LPP*	DSMD-07B**FF**A-QL8LPP*

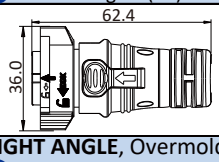
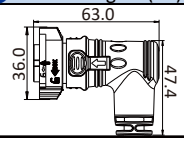
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF			
	End1: **(F)** FF | End2: **(F)** FF	AB-DMD07**F**L-DMD**F**L-QC10*	AB-DSMD07**F**L-DSMD**F**L-QC10*
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF			
	End1: **(F)** FF | End2: **(F)** FF	AB-DMD07**F**L-DMD**F**R-QC10*	AB-DSMD07**F**L-DSMD**F**R-QC10*
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF			
	End1: **(F)** FF | End2: **(F)** FF	AB-DMD07**F**R-DMD**F**R-QC10*	AB-DSMD07**F**R-DSMD**F**R-QC10*

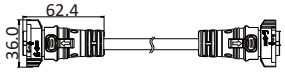
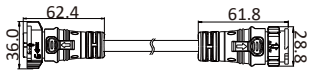
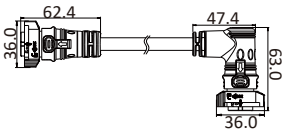
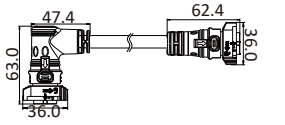
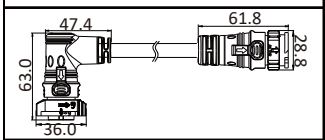
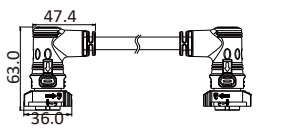
***Upon Request**

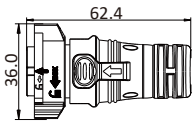
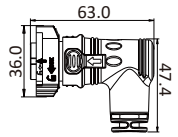
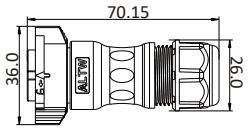
[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

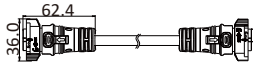
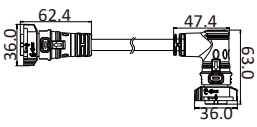
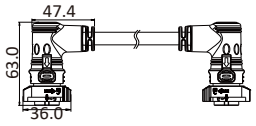
Large D Size

Mating Pair Page: **137~138**

No of Contacts	8 (3+5)			
Rated Voltage (AC/DC)	300V			
Nominal Current	20A+5A			
Plastic / Metal	Plastic		Metal	
Pin Assignment **MM**: Male Connector Male Contact **FF** : Female Connector Female Contact **MF** : Male Connector Female Contact **FM** : Female Connector Male Contact **M+F**: Male PWR + Female GND, **F+M**: Female PWR + Male GND	FF	FM	FF	FM
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]				
 UL21996, PVC Jacket (For Hybrid Group)	DCD-08A**FF**M-QL8F11*	DCD-08A**FM**M-QL8F11*	DSCD-08A**FF**M-QL8F11*	DSCD-08A**FM**M-QL8F11*
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]				
 UL21996, PVC Jacket (For Hybrid Group)	DCD-08A**FF**M-QR8F11*	DCD-08A**FM**M-QR8F11*	DSCD-08A**FF**M-QR8F11*	DSCD-08A**FM**M-QR8F11*

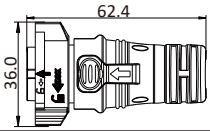
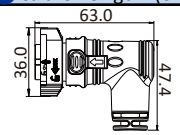
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF, **(W)** F/F+M, **(X)** F/M+F, **(U)** M/F+M					
	End1: (F) FF | End2: (F) FF	AB-DCD08**F**L-DCD**F**L-QF10*	-	AB-DSCD08**F**L-DSCD**F**L-QF10*	-
	End1: (F) FF | End2: (B) FM	AB-DCD08**F**L-DCD**B**L-QF10*	-	AB-DSCD08**F**L-DSCD**B**L-QF10*	-
	End1: (B) FM | End2: (B) FM	-	AB-DCD08**B**L-DCD**B**L-QF10*	-	AB-DSCD08**B**L-DSCD**B**L-QF10*
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD08**X**L-DCD**X**L-QF10*	AB-DCD08**W**L-DCD**W**L-QF10*	AB-DSCD08**X**L-DSCD**X**L-QF10*	AB-DSCD08**W**L-DSCD**W**L-QF10*
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD08**W**L-DCD**X**L-QF10*	-	AB-DSCD08**W**L-DSCD**X**L-QF10*
	End1: (F) FF | End2: (H) MF	AB-DCD08**F**L-DCD**H**L-QF10*	-	AB-DSCD08**F**L-DSCD**H**L-QF10*	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD08**W**L-DCD**U**L-QF10*	-	AB-DSCD08**W**L-DSCD**U**L-QF10*
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF, **(W)** F/F+M, **(X)** F/M+F					
	End1: (F) FF | End2: (F) FF	AB-DCD08**F**L-DCD**F**R-QF10*	-	AB-DSCD08**F**L-DSCD**F**R-QF10*	-
	End1: (F) FF | End2: (B) FM	AB-DCD08**F**L-DCD**B**R-QF10*	-	AB-DSCD08**F**L-DSCD**B**R-QF10*	-
	End1: (B) FM | End2: (B) FM	-	AB-DCD08**B**L-DCD**B**R-QF10*	-	AB-DSCD08**B**L-DSCD**B**R-QF10*
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD08**X**L-DCD**X**R-QF10*	AB-DCD08**W**L-DCD**W**R-QF10*	AB-DSCD08**X**L-DSCD**X**R-QF10*	AB-DSCD08**W**L-DSCD**W**R-QF10*
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD08**W**L-DCD**X**R-QF10*	-	AB-DSCD08**W**L-DSCD**X**R-QF10*
RIGHT ANGLE-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF, **(W)** F/F+M, **(X)** F/M+F, **(U)** M/F+M					
	End1: (F) FF | End2: (B) FM	AB-DCD08**F**R-DCD**B**L-QF10*	-	AB-DSCD08**F**R-DSCD**B**L-QF10*	-
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD08**W**R-DCD**X**L-QF10*	-	AB-DSCD08**W**R-DSCD**X**L-QF10*
	End1: (F) FF | End2: (H) MF	AB-DCD08**F**R-DCD**H**L-QF10*	-	AB-DSCD08**F**R-DSCD**H**L-QF10*	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD08**W**R-DCD**U**L-QF10*	-	AB-DSCD08**W**R-DSCD**U**L-QF10*
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF, **(W)** F/F+M, **(X)** F/M+F					
	End1: (F) FF | End2: (F) FF	AB-DCD08**F**R-DCD**F**R-QF10*	-	AB-DSCD08**F**R-DSCD**F**R-QF10*	-
	End1: (F) FF | End2: (B) FM	AB-DCD08**F**R-DCD**B**R-QF10*	AB-DCD08**B**R-DCD**B**R-QF10*	AB-DSCD08**F**R-DSCD**B**R-QF10*	-
	End1: (B) FM | End2: (B) FM	-	-	-	AB-DSCD08**B**R-DSCD**B**R-QF10*
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD08**X**R-DCD**X**R-QF10*	AB-DCD08**W**R-DCD**W**R-QF10*	AB-DSCD08**X**R-DSCD**X**R-QF10*	AB-DSCD08**W**R-DSCD**W**R-QF10*
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD08**W**R-DCD**X**R-QF10*	-	AB-DSCD08**W**R-DSCD**X**R-QF10*

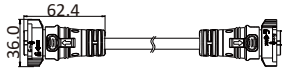
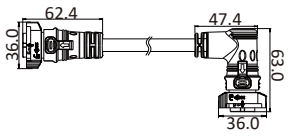
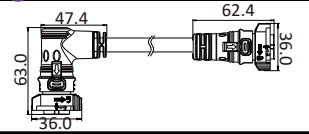
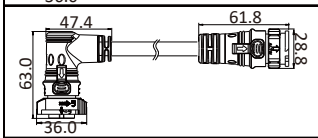
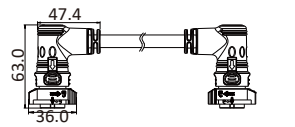
No of Contacts		8 (3+5)	
Rated Voltage (AC/DC)		300V	
Nominal Current		50A+5A	
Plastic / Metal		Plastic	Metal
Pin Assignment **FF**: Female Connector Female Contact		FF	FF
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]			
	UL2517, PVC Jacket (For Power Group)	DMD-08B**FF**M-QL8C11*	DSMD-08B**FF**M-QL8C11*
	UL21996, PVC Jacket (For Hybrid Group)	DMD-08B**FF**M-QL8F11*	DSMD-08B**FF**M-QL8F11*
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]			
	UL2517, PVC Jacket (For Power Group)	DMD-08B**FF**M-QL8C11*	DSMD-08B**FF**M-QL8C11*
	UL21996, PVC Jacket (For Hybrid Group)	DMD-08B**FF**M-QL8F11*	DSMD-08B**FF**M-QL8F11*
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 8.0 ~ 10.0mm, (Yellow Seal) 10.0 ~ 12.0mm, (Blue Seal) 12.0 ~ 14.0mm			
	Crimp Type, For Power Group, Packing: Connector With Contacts	All Seals	DMD-08B**FF**A-QL8APP*	DSMD-08B**FF**A-QL8APP*
		8.0 ~ 10.0mm Red Seal	DMD-08B**FF**A-QL8SPP*	DSMD-08B**FF**A-QL8SPP*
		10.0 ~ 12.0mm Yellow Seal	DMD-08B**FF**A-QL8MPP*	DSMD-08B**FF**A-QL8MPP*
		12.0 ~ 14.0mm Blue Seal	DMD-08B**FF**A-QL8LPP*	DSMD-08B**FF**A-QL8LPP*

STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF			
	End1: **(F)** FF | End2: **(F)** FF	AB-DMD08**F**L-DMD**F**L-QC10*	AB-DSMD08**F**L-DSMD**F**L-QC10*
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF			
	End1: **(F)** FF | End2: **(F)** FF	AB-DMD08**F**L-DMD**F**R-QC10*	AB-DSMD08**F**L-DSMD**F**R-QC10*
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF			
	End1: **(F)** FF | End2: **(F)** FF	AB-DMD08**F**R-DMD**F**R-QC10*	AB-DSMD08**F**R-DSMD**F**R-QC10*

***Upon Request**

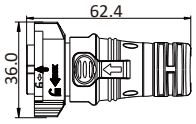
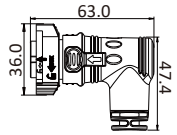
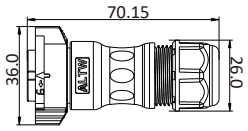
[1)] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

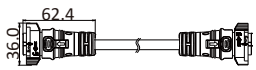
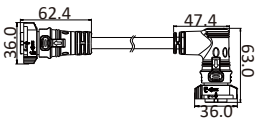
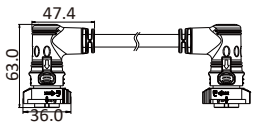
No of Contacts		9 (3+6)			
Rated Voltage (AC/DC)		300V			
Nominal Current		20A+5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment **MM**: Male Connector Male Contact **FF** : Female Connector Female Contact **MF** : Male Connector Female Contact **FM** : Female Connector Male Contact **M+F**: Male PWR + Female GND, **F+M**: Female PWR + Male GND		FF	FM	FF	FM
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]					
	UL21996, PVC Jacket (For Hybrid Group)	DCD-09A**FF**M-QL8F11*	DCD-09A**FM**M-QL8F11*	DSCD-09A**FF**M-QL8F11*	DSCD-09A**FM**M-QL8F11*
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]					
	UL21996, PVC Jacket (For Hybrid Group)	DCD-09A**FF**M-QR8F11*	DCD-09A**FM**M-QR8F11*	DSCD-09A**FF**M-QR8F11*	DSCD-09A**FM**M-QR8F11*

STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF, **(W)** F/F+M, **(X)** F/M+F, **(U)** M/F+M					
	End1: **(F)** FF | End2: **(F)** FF	AB-DCD09**F**L-DCD**F**L-QF10*	-	AB-DSCD09**F**L-DSCD**F**L-QF10*	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DCD09**F**L-DCD**B**L-QF10*	-	AB-DSCD09**F**L-DSCD**B**L-QF10*	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-DCD09**B**L-DCD**B**L-QF10*	-	AB-DSCD09**B**L-DSCD**B**L-QF10*
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD09**X**L-DCD**X**L-QF10*	AB-DCD09**W**L-DCD**W**L-QF10*	AB-DSCD09**X**L-DSCD**X**L-QF10*	AB-DSCD09**W**L-DSCD**W**L-QF10*
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD09**W**L-DCD**X**L-QF10*	-	AB-DSCD09**W**L-DSCD**X**L-QF10*
	End1: **(F)** FF | End2: **(H)** MF	AB-DCD09**F**L-DCD**H**L-QF10*	-	AB-DSCD09**F**L-DSCD**H**L-QF10*	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD09**W**L-DCD**U**L-QF10*	-	AB-DSCD09**W**L-DSCD**U**L-QF10*
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(W)** F/F+M, **(X)** F/M+F					
	End1: **(F)** FF | End2: **(F)** FF	AB-DCD09**F**L-DCD**F**R-QF10*	-	AB-DSCD09**F**L-DSCD**F**R-QF10*	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DCD09**F**L-DCD**B**R-QF10*	-	AB-DSCD09**F**L-DSCD**B**R-QF10*	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-DCD09**B**L-DCD**B**R-QF10*	-	AB-DSCD09**B**L-DSCD**B**R-QF10*
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD09**X**L-DCD**X**R-QF10*	AB-DCD09**W**L-DCD**W**R-QF10*	AB-DSCD09**X**L-DSCD**X**R-QF10*	AB-DSCD09**W**L-DSCD**W**R-QF10*
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD09**W**L-DCD**X**R-QF10*	-	AB-DSCD09**W**L-DSCD**X**R-QF10*
RIGHT ANGLE-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF, **(W)** F/F+M, **(X)** F/M+F, **(U)** M/F+M					
	End1: **(F)** FF | End2: **(B)** FM	AB-DCD09**F**R-DCD**B**L-QF10*	-	AB-DSCD09**F**R-DSCD**B**L-QF10*	-
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD09**W**R-DCD**X**L-QF10*	-	AB-DSCD09**W**R-DSCD**X**L-QF10*
	End1: **(F)** FF | End2: **(H)** MF	AB-DCD09**F**R-DCD**H**L-QF10*	-	AB-DSCD09**F**R-DSCD**H**L-QF10*	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD09**W**R-DCD**U**L-QF10*	-	AB-DSCD09**W**R-DSCD**U**L-QF10*
RIGHT ANGLE-TO-**RIGHT ANGLE**, **Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)** 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(W)** F/F+M, **(X)** F/M+F					
	End1: **(F)** FF | End2: **(F)** FF	AB-DCD09**F**R-DCD**F**R-QF10*	-	AB-DSCD09**F**R-DSCD**F**R-QF10*	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DCD09**F**R-DCD**B**R-QF10*	AB-DCD09**B**R-DCD**B**R-QF10*	AB-DSCD09**F**R-DSCD**B**R-QF10*	-
	End1: **(B)** FM | End2: **(B)** FM	-	-	-	AB-DSCD09**B**R-DSCD**B**R-QF10*
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD09**X**R-DCD**X**R-QF10*	AB-DCD09**W**R-DCD**W**R-QF10*	AB-DSCD09**X**R-DSCD**X**R-QF10*	AB-DSCD09**W**R-DSCD**W**R-QF10*
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD09**W**R-DCD**X**R-QF10*	-	AB-DSCD09**W**R-DSCD**X**R-QF10*

Large D Size

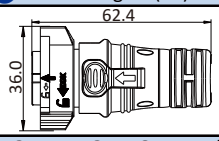
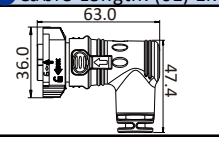
Mating Pair Page: **142**

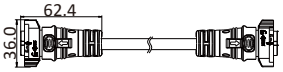
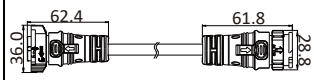
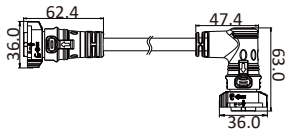
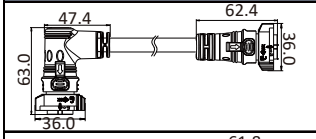
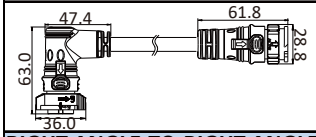
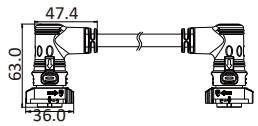
No of Contacts		9 (3+6)	
Rated Voltage (AC/DC)		300V	
Nominal Current		50A+5A	
Plastic / Metal		Plastic	Metal
Pin Assignment **FF**: Female Connector Female Contact		FF	FF
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]			
	UL2517, PVC Jacket (For Power Group)	DMD-09B**FF**M-QL8C11*	DSMD-09B**FF**M-QL8C11*
	UL21996, PVC Jacket (For Hybrid Group)	DMD-09B**FF**M-QL8F11*	DSMD-09B**FF**M-QL8F11*
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]			
	UL2517, PVC Jacket (For Power Group)	DMD-09B**FF**M-QL8C11*	DSMD-09B**FF**M-QL8C11*
	UL21996, PVC Jacket (For Hybrid Group)	DMD-09B**FF**M-QL8F11*	DSMD-09B**FF**M-QL8F11*
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 8.0 ~ 10.0mm, (Yellow Seal) 10.0 ~ 12.0mm, (Blue Seal) 12.0 ~ 14.0mm			
	Crimp Type, For Power Group, Packing: Connector With Contacts	All Seals	DMD-09B**FF**A-QL8APP* / DSMD-09B**FF**A-QL8APP*
		8.0 ~ 10.0mm Red Seal	DMD-09B**FF**A-QL8SPP* / DSMD-09B**FF**A-QL8SPP*
		10.0 ~ 12.0mm Yellow Seal	DMD-09B**FF**A-QL8MPP* / DSMD-09B**FF**A-QL8MPP*
		12.0 ~ 14.0mm Blue Seal	DMD-09B**FF**A-QL8LPP* / DSMD-09B**FF**A-QL8LPP*

STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF			
	End1: **(F)** FF | End2: **(F)** FF	AB-DMD09**F**L-DMD**F**L-QC10*	AB-DSMD09**F**L-DSMD**F**L-QC10*
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF			
	End1: **(F)** FF | End2: **(F)** FF	AB-DMD09**F**L-DMD**F**R-QC10*	AB-DSMD09**F**L-DSMD**F**R-QC10*
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF			
	End1: **(F)** FF | End2: **(F)** FF	AB-DMD09**F**R-DMD**F**R-QC10*	AB-DSMD09**F**R-DSMD**F**R-QC10*

***Upon Request**

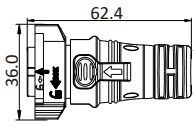
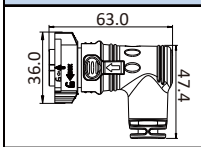
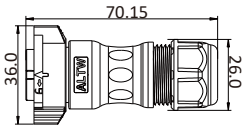
[1)] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

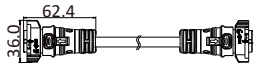
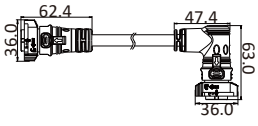
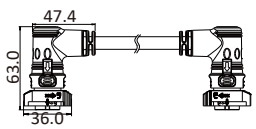
No of Contacts	10 (3+7)			
Rated Voltage (AC/DC)	300V			
Nominal Current	20A+5A			
Plastic / Metal	Plastic		Metal	
Pin Assignment	FF	FM	FF	FM
MM: Male Connector Male Contact **FF** : Female Connector Female Contact **MF**: Male Connector Female Contact **FM** : Female Connector Male Contact **M+F**: Male PWR + Female GND, **F+M**: Female PWR + Male GND				
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]				
	UL21996, PVC Jacket (For Hybrid Group)	DCD-10A**FF**M-QL8F11*	DCD-10A**FM**M-QL8F11*	DSCD-10A**FF**M-QL8F11*	DSCD-10A**FM**M-QL8F11*
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]				
	UL21996, PVC Jacket (For Hybrid Group)	DCD-10A**FF**M-QR8F11*	DCD-10A**FM**M-QR8F11*	DSCD-10A**FF**M-QR8F11*	DSCD-10A**FM**M-QR8F11*

STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF, **(W)** F/F+M, **(X)** F/M+F, **(U)** M/F+M					
	End1: **(F)** FF | End2: **(F)** FF	AB-DCD10**F**L-DCD**F**L-QF10*	-	AB-DSCD10**F**L-DSCD**F**L-QF10*	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DCD10**F**L-DCD**B**L-QF10*	-	AB-DSCD10**F**L-DSCD**B**L-QF10*	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-DCD10**B**L-DCD**B**L-QF10*	-	AB-DSCD10**B**L-DSCD**B**L-QF10*
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD10**X**L-DCD**X**L-QF10*	AB-DCD10**W**L-DCD**W**L-QF10*	AB-DSCD10**X**L-DSCD**X**L-QF10*	AB-DSCD10**W**L-DSCD**W**L-QF10*
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD10**W**L-DCD**X**L-QF10*	-	AB-DSCD10**W**L-DSCD**X**L-QF10*
	End1: **(F)** FF | End2: **(H)** MF	AB-DCD10**F**L-DCD**H**L-QF10*	-	AB-DSCD10**F**L-DSCD**H**L-QF10*	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD10**W**L-DCD**U**L-QF10*	-	AB-DSCD10**W**L-DSCD**U**L-QF10*
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF, **(W)** F/F+M, **(X)** F/M+F					
	End1: **(F)** FF | End2: **(F)** FF	AB-DCD10**F**L-DCD**FR**-QF10*	-	AB-DSCD10**F**L-DSCD**FR**-QF10*	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DCD10**F**L-DCD**BR**-QF10*	-	AB-DSCD10**F**L-DSCD**BR**-QF10*	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-DCD10**B**L-DCD**BR**-QF10*	-	AB-DSCD10**B**L-DSCD**BR**-QF10*
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD10**X**L-DCD**XR**-QF10*	AB-DCD10**W**L-DCD**WR**-QF10*	AB-DSCD10**X**L-DSCD**XR**-QF10*	AB-DSCD10**W**L-DSCD**WR**-QF10*
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD10**W**L-DCD**XR**-QF10*	-	AB-DSCD10**W**L-DSCD**XR**-QF10*
RIGHT ANGLE-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF, **(W)** F/F+M, **(X)** F/M+F, **(U)** M/F+M					
	End1: **(F)** FF | End2: **(B)** FM	AB-DCD10**FR**-DCD**B**L-QF10*	-	AB-DSCD10**FR**-DSCD**B**L-QF10*	-
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD10**WR**-DCD**X**L-QF10*	-	AB-DSCD10**WR**-DSCD**X**L-QF10*
	End1: **(F)** FF | End2: **(H)** MF	AB-DCD10**FR**-DCD**H**L-QF10*	-	AB-DSCD10**FR**-DSCD**H**L-QF10*	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD10**WR**-DCD**U**L-QF10*	-	AB-DSCD10**WR**-DSCD**U**L-QF10*
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(W)** F/F+M, **(X)** F/M+F					
	End1: **(F)** FF | End2: **(F)** FF	AB-DCD10**FR**-DCD**FR**-QF10*	-	AB-DSCD10**FR**-DSCD**FR**-QF10*	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DCD10**FR**-DCD**BR**-QF10*	AB-DCD10**BR**-DCD**BR**-QF10*	AB-DSCD10**FR**-DSCD**BR**-QF10*	-
	End1: **(B)** FM | End2: **(B)** FM	-	-	-	AB-DSCD10**BR**-DSCD**BR**-QF10*
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD10**XR**-DCD**XR**-QF10*	AB-DCD10**WR**-DCD**WR**-QF10*	AB-DSCD10**XR**-DSCD**XR**-QF10*	AB-DSCD10**WR**-DSCD**WR**-QF10*
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD10**WR**-DCD**XR**-QF10*	-	AB-DSCD10**WR**-DSCD**XR**-QF10*

Large D Size

Mating Pair Page: **145**

No of Contacts		10 (3+7)	
Rated Voltage (AC/DC)		300V	
Nominal Current		50A+5A	
Plastic / Metal		Plastic	Metal
Pin Assignment **FF**: Female Connector Female Contact		FF	FF
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]			
	UL2517, PVC Jacket (For Power Group)	DMD-10B**FF**M-QL8C11*	DSMD-10B**FF**M-QL8C11*
	UL21996, PVC Jacket (For Hybrid Group)	DMD-10B**FF**M-QL8F11*	DSMD-10B**FF**M-QL8F11*
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]			
	UL2517, PVC Jacket (For Power Group)	DMD-10B**FF**M-QL8C11*	DSMD-10B**FF**M-QL8C11*
	UL21996, PVC Jacket (For Hybrid Group)	DMD-10B**FF**M-QL8F11*	DSMD-10B**FF**M-QL8F11*
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 8.0 ~ 10.0mm, (Yellow Seal) 10.0 ~ 12.0mm, (Blue Seal) 12.0 ~ 14.0mm			
	Crimp Type, For Power Group, Packing: Connector With Contacts	All Seals	DMD-10B**FF**A-QL8APP*	DSMD-10B**FF**A-QL8APP*
		8.0 ~ 10.0mm Red Seal	DMD-10B**FF**A-QL8SPP*	DSMD-10B**FF**A-QL8SPP*
		10.0 ~ 12.0mm Yellow Seal	DMD-10B**FF**A-QL8MPP*	DSMD-10B**FF**A-QL8MPP*
		12.0 ~ 14.0mm Blue Seal	DMD-10B**FF**A-QL8LPP*	DSMD-10B**FF**A-QL8LPP*

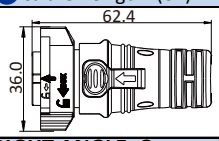
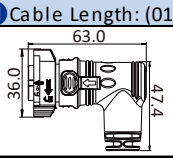
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF			
	End1: **(F)** FF | End2: **(F)** FF	AB-DMD10**F**L-DMD**F**L-QC10*	AB-DSMD10**F**L-DSMD**F**L-QC10*
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF			
	End1: **(F)** FF | End2: **(F)** FF	AB-DMD10**F**L-DMD**F**R-QC10*	AB-DSMD10**F**L-DSMD**F**R-QC10*
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF			
	End1: **(F)** FF | End2: **(F)** FF	AB-DMD10**F**R-DMD**F**R-QC10*	AB-DSMD10**F**R-DSMD**F**R-QC10*

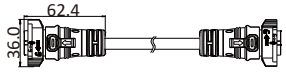
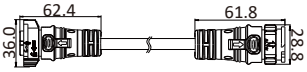
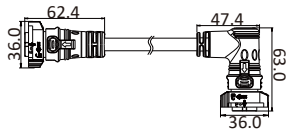
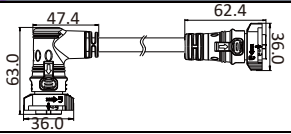
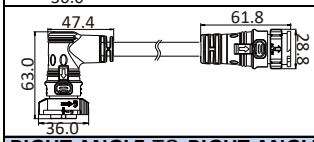
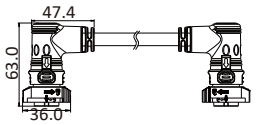
***Upon Request**

[1)] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

Large D Size

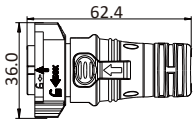
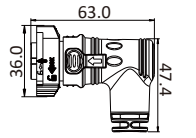
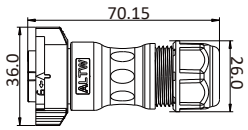
Mating Pair Page: **146~147**

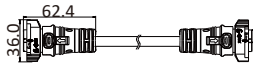
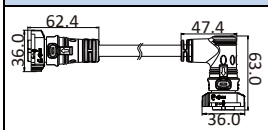
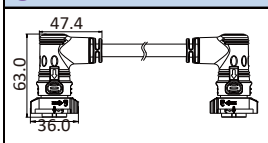
No of Contacts	11 (3+8)			
Rated Voltage (AC/DC)	300V			
Nominal Current	20A+5A			
Plastic / Metal	Plastic		Metal	
Pin Assignment **MM**: Male Connector Male Contact **FF** : Female Connector Female Contact **MF** : Male Connector Female Contact **FM** : Female Connector Male Contact **M+F**: Male PWR + Female GND, **F+M**: Female PWR + Male GND	FF	FM	FF	FM
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]				
	UL21996, PVC Jacket (For Hybrid Group)	DCD-11A**FF**M-QL8F11*	DCD-11A**FM**M-QL8F11*	DSCD-11A**FF**M-QL8F11*	DSCD-11A**FM**M-QL8F11*
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]				
	UL21996, PVC Jacket (For Hybrid Group)	DCD-11A**FF**M-QR8F11*	DCD-11A**FM**M-QR8F11*	DSCD-11A**FF**M-QR8F11*	DSCD-11A**FM**M-QR8F11*

STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF, **(W)** F/F+M, **(X)** F/M+F, **(U)** M/F+M					
	End1: **(F)** FF | End2: **(F)** FF	AB-DCD11**FL**-DCD**FL**-QF10*	-	AB-DSCD11**FL**-DSCD**FL**-QF10*	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DCD11**FL**-DCD**BL**-QF10*	-	AB-DSCD11**FL**-DSCD**BL**-QF10*	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-DCD11**BL**-DCD**BL**-QF10*	-	AB-DSCD11**BL**-DSCD**BL**-QF10*
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD11**XL**-DCD**XL**-QF10*	AB-DCD11**WL**-DCD**WL**-QF10*	AB-DSCD11**XL**-DSCD**XL**-QF10*	AB-DSCD11**WL**-DSCD**WL**-QF10*
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD11**WL**-DCD**XL**-QF10*	-	AB-DSCD11**WL**-DSCD**XL**-QF10*
	End1: **(F)** FF | End2: **(H)** MF	AB-DCD11**FL**-DCD**HL**-QF10*	-	AB-DSCD11**FL**-DSCD**HL**-QF10*	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD11**WL**-DCD**UL**-QF10*	-	AB-DSCD11**WL**-DSCD**UL**-QF10*
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(W)** F/F+M, **(X)** F/M+F					
	End1: **(F)** FF | End2: **(F)** FF	AB-DCD11**FL**-DCD**FR**-QF10*	-	AB-DSCD11**FL**-DSCD**FR**-QF10*	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DCD11**FL**-DCD**BR**-QF10*	-	AB-DSCD11**FL**-DSCD**BR**-QF10*	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-DCD11**BL**-DCD**BR**-QF10*	-	AB-DSCD11**BL**-DSCD**BR**-QF10*
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD11**XL**-DCD**XR**-QF10*	AB-DCD11**WL**-DCD**WR**-QF10*	AB-DSCD11**XL**-DSCD**XR**-QF10*	AB-DSCD11**WL**-DSCD**WR**-QF10*
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD11**WL**-DCD**XR**-QF10*	-	AB-DSCD11**WL**-DSCD**XR**-QF10*
RIGHT ANGLE-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF, **(W)** F/F+M, **(X)** F/M+F, **(U)** M/F+M					
	End1: **(F)** FF | End2: **(B)** FM	AB-DCD11**FR**-DCD**BL**-QF10*	-	AB-DSCD11**FR**-DSCD**BL**-QF10*	-
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD11**WR**-DCD**XL**-QF10*	-	AB-DSCD11**WR**-DSCD**XL**-QF10*
	End1: **(F)** FF | End2: **(H)** MF	AB-DCD11**FR**-DCD**HL**-QF10*	-	AB-DSCD11**FR**-DSCD**HL**-QF10*	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD11**WR**-DCD**UL**-QF10*	-	AB-DSCD11**WR**-DSCD**UL**-QF10*
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(W)** F/F+M, **(X)** F/M+F					
	End1: **(F)** FF | End2: **(F)** FF	AB-DCD11**FR**-DCD**FR**-QF10*	-	AB-DSCD11**FR**-DSCD**FR**-QF10*	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DCD11**FR**-DCD**BR**-QF10*	AB-DCD11**BR**-DCD**BR**-QF10*	AB-DSCD11**FR**-DSCD**BR**-QF10*	-
	End1: **(B)** FM | End2: **(B)** FM	-	-	-	AB-DSCD11**BR**-DSCD**BR**-QF10*
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD11**XR**-DCD**XR**-QF10*	AB-DCD11**WR**-DCD**WR**-QF10*	AB-DSCD11**XR**-DSCD**XR**-QF10*	AB-DSCD11**WR**-DSCD**WR**-QF10*
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD11**WR**-DCD**XR**-QF10*	-	AB-DSCD11**WR**-DSCD**XR**-QF10*

Large D Size

Mating Pair Page: **148**

No of Contacts		11 (3+8)	
Rated Voltage (AC/DC)		300 ~ 600V	
Nominal Current		50A+5A	
Plastic / Metal		Plastic	Metal
Pin Assignment **FF**: Female Connector Female Contact		FF	FF
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1]			
	UL2517, PVC Jacket (For Power Group)	DMD-11B**FF**M-QL8C11*	DSMD-11B**FF**M-QL8C11*
	UL21996, PVC Jacket (For Hybrid Group)	DMD-11B**FF**M-QL8F11*	DSMD-11B**FF**M-QL8F11*
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1]			
	UL2517, PVC Jacket (For Power Group)	DMD-11B**FF**M-QL8C11*	DSMD-11B**FF**M-QL8C11*
	UL21996, PVC Jacket (For Hybrid Group)	DMD-11B**FF**M-QL8F11*	DSMD-11B**FF**M-QL8F11*
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 8.0 ~ 10.0mm, (Yellow Seal) 10.0 ~ 12.0mm, (Blue Seal) 12.0 ~ 14.0mm			
	Crimp Type, For Power Group, Packing: Connector With Contacts	All Seals	DMD-11B**FF**A-QL8APP*	DSMD-11B**FF**A-QL8APP*
		8.0 ~ 10.0mm Red Seal	DMD-11B**FF**A-QL8SPP*	DSMD-11B**FF**A-QL8SPP*
		10.0 ~ 12.0mm Yellow Seal	DMD-11B**FF**A-QL8MPP*	DSMD-11B**FF**A-QL8MPP*
		12.0 ~ 14.0mm Blue Seal	DMD-11B**FF**A-QL8LPP*	DSMD-11B**FF**A-QL8LPP*

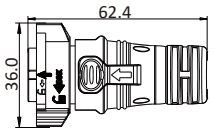
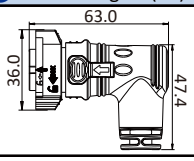
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF			
	End1: **(F)** FF | End2: **(F)** FF	AB-DMD11**F**L-DMD**F**L-QC10*	AB-DSMD11**F**L-DSMD**F**L-QC10*
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF			
	End1: **(F)** FF | End2: **(F)** FF	AB-DMD11**F**L-DMD**F**R-QC10*	AB-DSMD11**F**L-DSMD**F**R-QC10*
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF			
	End1: **(F)** FF | End2: **(F)** FF	AB-DMD11**F**R-DMD**F**R-QC10*	AB-DSMD11**F**R-DSMD**F**R-QC10*

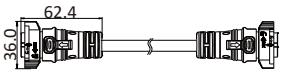
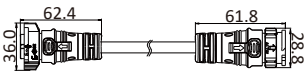
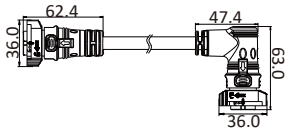
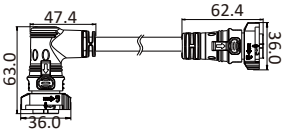
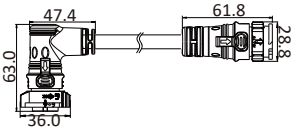
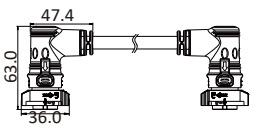
***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

Large D Size

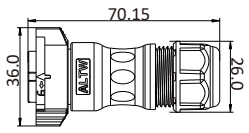
Mating Pair Page: **149~150**

No of Contacts		12	
Rated Voltage (AC/DC)		300V	
Nominal Current		5A	
Plastic / Metal		Plastic	Metal
Pin Assignment **MM** : Male Connector Male Contact **FF** : Female Connector Female Contact **MF** : Male Connector Female Contact **FM** : Female Connector Male Contact **M+F** : Male PWR + Female GND, **F+M**: Female PWR + Male GND		FM	FF / FM
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]			
	UL21388, PVC Jacket (For Data Group)	DD-12A**FM**M-QL8D 11	DSD-12A**FF**M-QL8D 11 * / DSD-12A**FM**M-QL8D 11 *
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]			
	UL21388, PVC Jacket (For Data Group)	DD-12A**FM**M-QR8D 11	DSD-12A**FF**M-QR8D 11 * / DSD-12A**FM**M-QR8D 11 *

STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF				
	End1: **(F)** FF | End2: **(F)** FF	-	AB-DSD12**F**L-DSD**F**L-QD 10 *	-
	End1: **(F)** FF | End2: **(B)** FM	-	AB-DSD12**F**L-DSD**B**L-QD 10 *	-
	End1: **(B)** FM | End2: **(B)** FM	AB-DD12**B**L-DD**B**L-QD 10	-	AB-DSD12**B**L-DSD**B**L-QD 10 *
	End1: **(F)** FF | End2: **(H)** MF	-	AB-DSD12**F**L-DSD**H**L-QD 10 *	-
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM				
	End1: **(F)** FF | End2: **(F)** FF	-	AB-DSD12**F**L-DSD**F**R-QD 10 *	-
	End1: **(F)** FF | End2: **(B)** FM	-	AB-DSD12**F**L-DSD**B**R-QD 10 *	-
	End1: **(B)** FM | End2: **(B)** FM	AB-DD12**B**L-DD**B**R-QD 10	-	AB-DSD12**B**L-DSD**B**R-QD 10 *
RIGHT ANGLE-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF				
	End1: **(F)** FF | End2: **(B)** FM	-	AB-DSD12**F**R-DSD**B**L-QD 10 *	-
	End1: **(F)** FF | End2: **(H)** MF	-	AB-DSD12**F**R-DSD**H**L-QD 10 *	-
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM				
	End1: **(F)** FF | End2: **(F)** FF	-	AB-DSD12**F**R-DSD**F**R-QD 10 *	-
	End1: **(F)** FM | End2: **(B)** FM	AB-DD12**F**R-DD**B**R-QD 10 *	AB-DSD12**F**R-DSD**B**R-QD 10 *	-
	End1: **(B)** FM | End2: **(B)** FM	AB-DD12**B**R-DD**B**R-QD 10	-	AB-DSD12**B**R-DSD**B**R-QD 10 *

No of Contacts	12		
Rated Voltage (AC/DC)	300V		
Nominal Current	5A		
Plastic / Metal	Plastic	Metal	
Pin Assignment **FF** : Female Connector Female Contact **FM** : Female Connector Male Contact	FM	FF	FM

Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated)
Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 8.0 ~ 10.0mm, (Yellow Seal) 10.0 ~ 12.0mm, (Blue Seal) 12.0 ~ 14.0mm



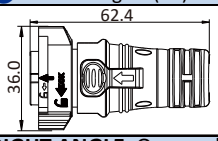
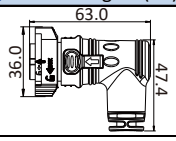
Solder Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-12B**FM**G-QL8AP0*	DSD-12B**FF**G-QL8AP0*	DSD-12B**FM**G-QL8AP0*
	8.0 ~ 10.0mm Red Seal	DD-12B**FM**G-QL8SP0*	DSD-12B**FF**G-QL8SP0*	DSD-12B**FM**G-QL8SP0*
	10.0 ~ 12.0mm Yellow Seal	DD-12B**FM**G-QL8MP0*	DSD-12B**FF**G-QL8MP0*	DSD-12B**FM**G-QL8MP0*
	12.0 ~ 14.0mm Blue Seal	DD-12B**FM**G-QL8LP0*	DSD-12B**FF**G-QL8LP0*	DSD-12B**FM**G-QL8LP0*
Screw-in Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-12B**FM**B-QL8AP0*	DSD-12B**FF**B-QL8AP0*	DSD-12B**FM**B-QL8AP0*
	8.0 ~ 10.0mm Red Seal	DD-12B**FM**B-QL8SP0*	DSD-12B**FF**B-QL8SP0*	DSD-12B**FM**B-QL8SP0*
	10.0 ~ 12.0mm Yellow Seal	DD-12B**FM**B-QL8MP0*	DSD-12B**FF**B-QL8MP0*	DSD-12B**FM**B-QL8MP0*
	12.0 ~ 14.0mm Blue Seal	DD-12B**FM**B-QL8LP0*	DSD-12B**FF**B-QL8LP0*	DSD-12B**FM**B-QL8LP0*
Push-in Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-12B**FM**E-QL8AP0*	DSD-12B**FF**E-QL8AP0*	DSD-12B**FM**E-QL8AP0*
	8.0 ~ 10.0mm Red Seal	DD-12B**FM**E-QL8SP0*	DSD-12B**FF**E-QL8SP0*	DSD-12B**FM**E-QL8SP0*
	10.0 ~ 12.0mm Yellow Seal	DD-12B**FM**E-QL8MP0*	DSD-12B**FF**E-QL8MP0*	DSD-12B**FM**E-QL8MP0*
	12.0 ~ 14.0mm Blue Seal	DD-12B**FM**E-QL8LP0*	DSD-12B**FF**E-QL8LP0*	DSD-12B**FM**E-QL8LP0*
Crimp Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-12B**FM**A-QL8AP0	DSD-12B**FF**A-QL8AP0*	DSD-12B**FM**A-QL8AP0*
	8.0 ~ 10.0mm Red Seal	DD-12B**FM**A-QL8SP0	DSD-12B**FF**A-QL8SP0*	DSD-12B**FM**A-QL8SP0*
	10.0 ~ 12.0mm Yellow Seal	DD-12B**FM**A-QL8MP0	DSD-12B**FF**A-QL8MP0*	DSD-12B**FM**A-QL8MP0*
	12.0 ~ 14.0mm Blue Seal	DD-12B**FM**A-QL8LP0	DSD-12B**FF**A-QL8LP0*	DSD-12B**FM**A-QL8LP0*
Crimp Type, For Data Group, Packing: Connector Without Contacts	All Seals	DD-12B**FM**A-QL8AN0	-	-
	8.0 ~ 10.0mm Red Seal	DD-12B**FM**A-QL8SN0	-	-
	10.0 ~ 12.0mm Yellow Seal	DD-12B**FM**A-QL8MN0	-	-
	12.0 ~ 14.0mm Blue Seal	DD-12B**FM**A-QL8LN0	-	-

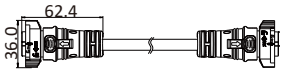
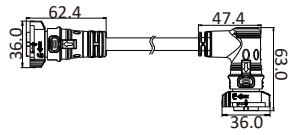
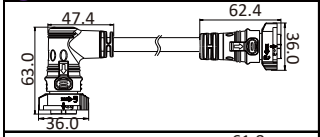
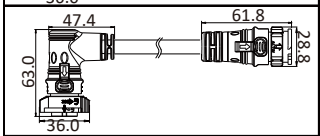
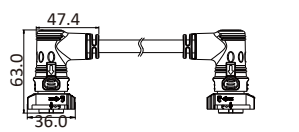
***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

Large D Size

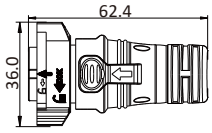
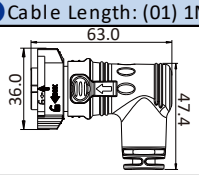
Mating Pair Page: **151~152**

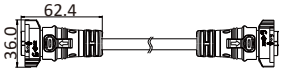
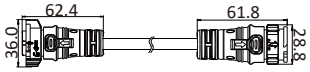
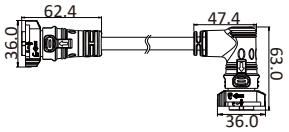
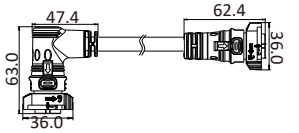
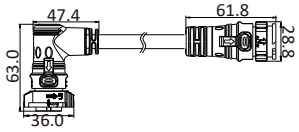
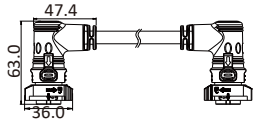
No of Contacts		12 (3+9)			
Rated Voltage (AC/DC)		300V			
Nominal Current		20A+5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment		FF	FM	FF	FM
MM: Male Connector Male Contact **FF** : Female Connector Female Contact **MF**: Male Connector Female Contact **FM** : Female Connector Male Contact **M+F**: Male PWR + Female GND, **F+M**: Female PWR + Male GND					
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1]					
	UL21996, PVC Jacket (For Hybrid Group)	DCD-12A**FF**M-QL8F11	DCD-12A**FM**M-QL8F11	DSCD-12A**FF**M-QL8F11*	DSCD-12A**FM**M-QL8F11*
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1]					
	UL21996, PVC Jacket (For Hybrid Group)	DCD-12A**FF**M-QR8F11	DCD-12A**FM**M-QR8F11	DSCD-12A**FF**M-QR8F11*	DSCD-12A**FM**M-QR8F11*

STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF, **(W)** F/F+M, **(X)** F/M+F, **(U)** M/F+M					
	End1: **(F)** FF | End2: **(F)** FF	AB-DCD12**F**L-DCD**F**L-QF10	-	AB-DSCD12**F**L-DSCD**F**L-QF10*	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DCD12**F**L-DCD**B**L-QF10	-	AB-DSCD12**F**L-DSCD**B**L-QF10*	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-DCD12**B**L-DCD**B**L-QF10	-	AB-DSCD12**B**L-DSCD**B**L-QF10*
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD12**X**L-DCD**X**L-QF10*	AB-DCD12**W**L-DCD**W**L-QF10*	AB-DSCD12**X**L-DSCD**X**L-QF10*	AB-DSCD12**W**L-DSCD**W**L-QF10*
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD12**W**L-DCD**X**L-QF10*	-	AB-DSCD12**W**L-DSCD**X**L-QF10*
	End1: **(F)** FF | End2: **(H)** MF	AB-DCD12**F**L-DCD**H**L-QF10	-	AB-DSCD12**F**L-DSCD**H**L-QF10*	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD12**W**L-DCD**U**L-QF10*	-	AB-DSCD12**W**L-DSCD**U**L-QF10*
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(W)** F/F+M, **(X)** F/M+F					
	End1: **(F)** FF | End2: **(F)** FF	AB-DCD12**F**L-DCD**F**R-QF10	-	AB-DSCD12**F**L-DSCD**F**R-QF10*	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DCD12**F**L-DCD**B**R-QF10	-	AB-DSCD12**F**L-DSCD**B**R-QF10*	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-DCD12**B**L-DCD**B**R-QF10	-	AB-DSCD12**B**L-DSCD**B**R-QF10*
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD12**X**L-DCD**X**R-QF10*	AB-DCD12**W**L-DCD**W**R-QF10*	AB-DSCD12**X**L-DSCD**X**R-QF10*	AB-DSCD12**W**L-DSCD**W**R-QF10*
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD12**W**L-DCD**X**R-QF10*	-	AB-DSCD12**W**L-DSCD**X**R-QF10*
RIGHT ANGLE-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF, **(W)** F/F+M, **(X)** F/M+F, **(U)** M/F+M					
	End1: **(F)** FF | End2: **(B)** FM	AB-DCD12**F**R-DCD**B**L-QF10	-	AB-DSCD12**F**R-DSCD**B**L-QF10*	-
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD12**W**R-DCD**X**L-QF10*	-	AB-DSCD12**W**R-DSCD**X**L-QF10*
	End1: **(F)** FF | End2: **(H)** MF	AB-DCD12**F**R-DCD**H**L-QF10	-	AB-DSCD12**F**R-DSCD**H**L-QF10*	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD12**W**R-DCD**U**L-QF10*	-	AB-DSCD12**W**R-DSCD**U**L-QF10*
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(W)** F/F+M, **(X)** F/M+F					
	End1: **(F)** FF | End2: **(F)** FF	AB-DCD12**F**R-DCD**F**R-QF10	-	AB-DSCD12**F**R-DSCD**F**R-QF10*	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DCD12**F**R-DCD**B**R-QF10	-	AB-DSCD12**F**R-DSCD**B**R-QF10*	-
	End1: **(B)** FM | End2: **(B)** FM	AB-DCD12**B**R-DCD**B**R-QF10	-	-	AB-DSCD12**B**R-DSCD**B**R-QF10*
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD12**X**R-DCD**X**R-QF10*	AB-DCD12**W**R-DCD**W**R-QF10*	AB-DSCD12**X**R-DSCD**X**R-QF10*	AB-DSCD12**W**R-DSCD**W**R-QF10*
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD12**W**R-DCD**X**R-QF10*	-	AB-DSCD12**W**R-DSCD**X**R-QF10*

Large D Size

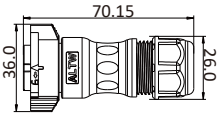
Mating Pair Page: **153~154**

No of Contacts		14			
Rated Voltage (AC/DC)		300V			
Nominal Current		5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment **FF** : Female Connector Female Contact **MF** : Male Connector Female Contact **FM** : Female Connector Male Contact		FF	FM	FF	FM
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]					
	UL21388, PVC Jacket (For Data Group)	DD-14A**FF**M-QL8D 11	DD-14A**FM**M-QL8D 11	DSD-14A**FF**M-QL8D 11*	DSD-14A**FM**M-QL8D 11*
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]					
	UL21388, PVC Jacket (For Data Group)	DD-14A**FF**M-QR8D 11	DD-14A**FM**M-QR8D 11	DSD-14A**FF**M-QR8D 11*	DSD-14A**FM**M-QR8D 11*

STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF					
	End1: **(F)** FF | End2: **(F)** FF	AB-DD14**F**L-DD**F**L-QD 10	-	AB-DSD14**F**L-DSD**F**L-QD 10*	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DD14**F**L-DD**B**L-QD 10	-	AB-DSD14**F**L-DSD**B**L-QD 10*	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-DD14**B**L-DD**B**L-QD 10	-	AB-DSD14**B**L-DSD**B**L-QD 10*
	End1: **(F)** FF | End2: **(H)** MF	AB-DD14**F**L-DD**H**L-QD 10	-	AB-DSD14**F**L-DSD**H**L-QD 10*	-
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM					
	End1: **(F)** FF | End2: **(F)** FF	AB-DD14**F**L-DD**F**R-QD 10	-	AB-DSD14**F**L-DSD**F**R-QD 10*	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DD14**F**L-DD**B**R-QD 10	-	AB-DSD14**F**L-DSD**B**R-QD 10*	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-DD14**B**L-DD**B**R-QD 10	-	AB-DSD14**B**L-DSD**B**R-QD 10*
RIGHT ANGLE-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF					
	End1: **(F)** FF | End2: **(B)** FM	AB-DD14**FR**-DD**B**L-QD 10	-	AB-DSD14**FR**-DSD**B**L-QD 10*	-
	End1: **(F)** FF | End2: **(H)** MF	AB-DD14**FR**-DD**H**L-QD 10	-	AB-DSD14**FR**-DSD**H**L-QD 10*	-
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM					
	End1: **(F)** FF | End2: **(F)** FF	AB-DD14**FR**-DD**F**R-QD 10	-	AB-DSD14**F**R-DSD**F**R-QD 10*	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DD14**FR**-DD**B**R-QD 10	AB-DD14**B**R-DD**B**R-QD 10	AB-DSD14**F**R-DSD**B**R-QD 10*	-
	End1: **(B)** FM | End2: **(B)** FM	-	-	-	AB-DSD14**B**R-DSD**B**R-QD 10*

Large D Size

Mating Pair Page: **153~154**

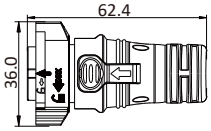
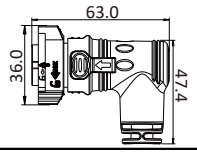
No of Contacts			14			
Rated Voltage (AC/DC)			300 ~ 600V			
Nominal Current			5A			
Plastic / Metal			Plastic		Metal	
Pin Assignment **FF** : Female Connector Female Contact **FM** : Female Connector Male Contact			FF	FM	FF	FM
Field Installable (Straight, Without Strain Relief, Push Lock) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 8.0 ~ 10.0mm, (Yellow Seal) 10.0 ~ 12.0mm, (Blue Seal) 12.0 ~ 14.0mm						
	Solder Type, IP68, For Data Group, Packing: Connector With Contacts	All Seals	DD-14B**FF**G-QL8AP0 *	DD-14B**FM**G-QL8AP0 *	DSD-14B**FF**G-QL8AP0 *	DSD-14B**FM**G-QL8AP0 *
		8.0 ~ 10.0mm Red Seal	DD-14B**FF**G-QL8SP0 *	DD-14B**FM**G-QL8SP0 *	DSD-14B**FF**G-QL8SP0 *	DSD-14B**FM**G-QL8SP0 *
		10.0 ~ 12.0mm Yellow Seal	DD-14B**FF**G-QL8MP0 *	DD-14B**FM**G-QL8MP0 *	DSD-14B**FF**G-QL8MP0 *	DSD-14B**FM**G-QL8MP0 *
		12.0 ~ 14.0mm Blue Seal	DD-14B**FF**G-QL8LP0 *	DD-14B**FM**G-QL8LP0 *	DSD-14B**FF**G-QL8LP0 *	DSD-14B**FM**G-QL8LP0 *
	Screw-in Type, IP68, For Data Group, Packing: Connector With Contacts	All Seals	DD-14B**FF**B-QL8AP0 *	DD-14B**FM**B-QL8AP0 *	DSD-14B**FF**B-QL8AP0 *	DSD-14B**FM**B-QL8AP0 *
		8.0 ~ 10.0mm Red Seal	DD-14B**FF**B-QL8SP0 *	DD-14B**FM**B-QL8SP0 *	DSD-14B**FF**B-QL8SP0 *	DSD-14B**FM**B-QL8SP0 *
		10.0 ~ 12.0mm Yellow Seal	DD-14B**FF**B-QL8MP0 *	DD-14B**FM**B-QL8MP0 *	DSD-14B**FF**B-QL8MP0 *	DSD-14B**FM**B-QL8MP0 *
		12.0 ~ 14.0mm Blue Seal	DD-14B**FF**B-QL8LP0 *	DD-14B**FM**B-QL8LP0 *	DSD-14B**FF**B-QL8LP0 *	DSD-14B**FM**B-QL8LP0 *
	Push-in Type, IP68, For Data Group, Packing: Connector With Contacts	All Seals	DD-14B**FF**E-QL8AP0 *	DD-14B**FM**E-QL8AP0 *	DSD-14B**FF**E-QL8AP0 *	DSD-14B**FM**E-QL8AP0 *
		8.0 ~ 10.0mm Red Seal	DD-14B**FF**E-QL8SP0 *	DD-14B**FM**E-QL8SP0 *	DSD-14B**FF**E-QL8SP0 *	DSD-14B**FM**E-QL8SP0 *
		10.0 ~ 12.0mm Yellow Seal	DD-14B**FF**E-QL8MP0 *	DD-14B**FM**E-QL8MP0 *	DSD-14B**FF**E-QL8MP0 *	DSD-14B**FM**E-QL8MP0 *
		12.0 ~ 14.0mm Blue Seal	DD-14B**FF**E-QL8LP0 *	DD-14B**FM**E-QL8LP0 *	DSD-14B**FF**E-QL8LP0 *	DSD-14B**FM**E-QL8LP0 *
	Crimp Type, IP68, For Data Group, Packing: Connector With Contacts	All Seals	DD-14B**FF**A-QL8AP0	DD-14B**FM**A-QL8AP0	DSD-14B**FF**A-QL8AP0 *	DSD-14B**FM**A-QL8AP0 *
		8.0 ~ 10.0mm Red Seal	DD-14B**FF**A-QL8SP0	DD-14B**FM**A-QL8SP0	DSD-14B**FF**A-QL8SP0 *	DSD-14B**FM**A-QL8SP0 *
		10.0 ~ 12.0mm Yellow Seal	DD-14B**FF**A-QL8MP0	DD-14B**FM**A-QL8MP0	DSD-14B**FF**A-QL8MP0 *	DSD-14B**FM**A-QL8MP0 *
		12.0 ~ 14.0mm Blue Seal	DD-14B**FF**A-QL8LP0	DD-14B**FM**A-QL8LP0	DSD-14B**FF**A-QL8LP0 *	DSD-14B**FM**A-QL8LP0 *
	Crimp Type, IP68, For Data Group, Packing: Connector Without Contacts	All Seals	DD-14B**FF**A-QL8AN0	DD-14B**FM**A-QL8AN0	-	-
		8.0 ~ 10.0mm Red Seal	DD-14B**FF**A-QL8SN0	DD-14B**FM**A-QL8SN0	-	-
		10.0 ~ 12.0mm Yellow Seal	DD-14B**FF**A-QL8MN0	DD-14B**FM**A-QL8MN0	-	-
		12.0 ~ 14.0mm Blue Seal	DD-14B**FF**A-QL8LN0	DD-14B**FM**A-QL8LN0	-	-

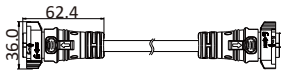
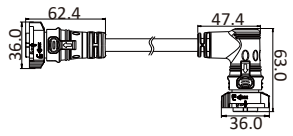
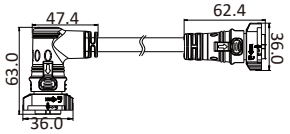
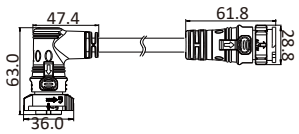
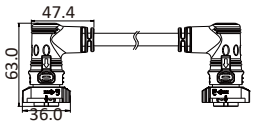
***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

Large D Size

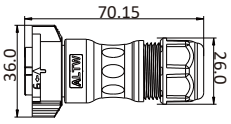
Mating Pair Page: **155~156**

No of Contacts	18			
Rated Voltage (AC/DC)	300V			
Nominal Current	5A			
Plastic / Metal	Plastic		Metal	
Pin Assignment **FF** : Female Connector Female Contact **MF** : Male Connector Female Contact **FM** : Female Connector Male Contact	FF	FM	FF	FM
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]				
	UL21388, PVC Jacket (For Data Group)	DD-18A**FF**M-QL8D 11	DD-18A**FM**M-QL8D 11	DSD-18A**FF**M-QL8D 11*	DSD-18A**FM**M-QL8D 11*
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]				
	UL21388, PVC Jacket (For Data Group)	DD-18A**FF**M-QR8D 11	DD-18A**FM**M-QR8D 11	DSD-18A**FF**M-QR8D 11*	DSD-18A**FM**M-QR8D 11*

STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF					
	End1: **(F)** FF | End2: **(F)** FF	AB-DD18**F**L-DD**F**L-QD 10	-	AB-DSD18**F**L-DSD**F**L-QD 10*	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DD18**F**L-DD**B**L-QD 10	-	AB-DSD18**F**L-DSD**B**L-QD 10*	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-DD18**B**L-DD**B**L-QD 10	-	AB-DSD18**B**L-DSD**B**L-QD 10*
	End1: **(F)** FF | End2: **(H)** MF	AB-DD18**F**L-DD**H**L-QD 10	-	AB-DSD18**F**L-DSD**H**L-QD 10*	-
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF					
	End1: **(F)** FF | End2: **(F)** FF	AB-DD18**F**L-DD**F**R-QD 10	-	AB-DSD18**F**L-DSD**F**R-QD 10*	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DD18**F**L-DD**B**R-QD 10	-	AB-DSD18**F**L-DSD**B**R-QD 10*	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-DD18**B**L-DD**B**R-QD 10	-	AB-DSD18**B**L-DSD**B**R-QD 10*
RIGHT ANGLE-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF					
	End1: **(F)** FF | End2: **(B)** FM	AB-DD18**FR**-DD**B**L-QD 10	-	AB-DSD18**FR**-DSD**B**L-QD 10*	-
	End1: **(F)** FF | End2: **(H)** MF	AB-DD18**FR**-DD**H**L-QD 10	-	AB-DSD18**FR**-DSD**H**L-QD 10*	-
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1)] | Connector / Contact Gender: **(F)** FF, **(B)** FM					
	End1: **(F)** FF | End2: **(F)** FF	AB-DD18**FR**-DD**FR**-QD 10	-	AB-DSD18**FR**-DSD**FR**-QD 10*	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DD18**FR**-DD**BR**-QD 10	AB-DD18**BR**-DD**BR**-QD 10	AB-DSD18**FR**-DSD**BR**-QD 10*	-
	End1: **(B)** FM | End2: **(B)** FM	-	-	-	AB-DSD18**BR**-DSD**BR**-QD 10*

Large D Size

Mating Pair Page: **155~156**

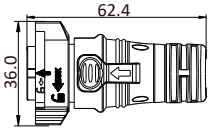
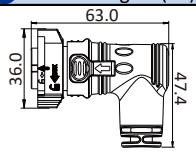
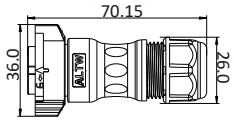
No of Contacts			18			
Rated Voltage (AC/DC)			300V			
Nominal Current			5A			
Plastic / Metal			Plastic		Metal	
Pin Assignment **FF** : Female Connector Female Contact **FM** : Female Connector Male Contact			FF	FM	FF	FM
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 8.0 ~ 10.0mm, (Yellow Seal) 10.0 ~ 12.0mm, (Blue Seal) 12.0 ~ 14.0mm						
	Solder Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-18B**FF**G-QL8AP0 *	DD-18B**FM**G-QL8AP0 *	DSD-18B**FF**G-QL8AP0 *	DSD-18B**FM**G-QL8AP0 *
		8.0 ~ 10.0mm Red Seal	DD-18B**FF**G-QL8SP0 *	DD-18B**FM**G-QL8SP0 *	DSD-18B**FF**G-QL8SP0 *	DSD-18B**FM**G-QL8SP0 *
		10.0 ~ 12.0mm Yellow Seal	DD-18B**FF**G-QL8MP0 *	DD-18B**FM**G-QL8MP0 *	DSD-18B**FF**G-QL8MP0 *	DSD-18B**FM**G-QL8MP0 *
		12.0 ~ 14.0mm Blue Seal	DD-18B**FF**G-QL8LP0 *	DD-18B**FM**G-QL8LP0 *	DSD-18B**FF**G-QL8LP0 *	DSD-18B**FM**G-QL8LP0 *
	Screw-in Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-18B**FF**B-QL8AP0 *	DD-18B**FM**B-QL8AP0 *	DSD-18B**FF**B-QL8AP0 *	DSD-18B**FM**B-QL8AP0 *
		8.0 ~ 10.0mm Red Seal	DD-18B**FF**B-QL8SP0 *	DD-18B**FM**B-QL8SP0 *	DSD-18B**FF**B-QL8SP0 *	DSD-18B**FM**B-QL8SP0 *
		10.0 ~ 12.0mm Yellow Seal	DD-18B**FF**B-QL8MP0 *	DD-18B**FM**B-QL8MP0 *	DSD-18B**FF**B-QL8MP0 *	DSD-18B**FM**B-QL8MP0 *
		12.0 ~ 14.0mm Blue Seal	DD-18B**FF**B-QL8LP0 *	DD-18B**FM**B-QL8LP0 *	DSD-18B**FF**B-QL8LP0 *	DSD-18B**FM**B-QL8LP0 *
	Push-in Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-18B**FF**E-QL8AP0 *	DD-18B**FM**E-QL8AP0 *	DSD-18B**FF**E-QL8AP0 *	DSD-18B**FM**E-QL8AP0 *
		8.0 ~ 10.0mm Red Seal	DD-18B**FF**E-QL8SP0 *	DD-18B**FM**E-QL8SP0 *	DSD-18B**FF**E-QL8SP0 *	DSD-18B**FM**E-QL8SP0 *
		10.0 ~ 12.0mm Yellow Seal	DD-18B**FF**E-QL8MP0 *	DD-18B**FM**E-QL8MP0 *	DSD-18B**FF**E-QL8MP0 *	DSD-18B**FM**E-QL8MP0 *
		12.0 ~ 14.0mm Blue Seal	DD-18B**FF**E-QL8LP0 *	DD-18B**FM**E-QL8LP0 *	DSD-18B**FF**E-QL8LP0 *	DSD-18B**FM**E-QL8LP0 *
	Crimp Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-18B**FF**A-QL8AP0	DD-18B**FM**A-QL8AP0	DSD-18B**FF**A-QL8AP0 *	DSD-18B**FM**A-QL8AP0 *
		8.0 ~ 10.0mm Red Seal	DD-18B**FF**A-QL8SP0	DD-18B**FM**A-QL8SP0	DSD-18B**FF**A-QL8SP0 *	DSD-18B**FM**A-QL8SP0 *
		10.0 ~ 12.0mm Yellow Seal	DD-18B**FF**A-QL8MP0	DD-18B**FM**A-QL8MP0	DSD-18B**FF**A-QL8MP0 *	DSD-18B**FM**A-QL8MP0 *
		12.0 ~ 14.0mm Blue Seal	DD-18B**FF**A-QL8LP0	DD-18B**FM**A-QL8LP0	DSD-18B**FF**A-QL8LP0 *	DSD-18B**FM**A-QL8LP0 *
	Crimp Type, For Data Group, Packing: Connector Without Contacts	All Seals	DD-18B**FF**A-QL8AN0	DD-18B**FM**A-QL8AN0	-	-
		8.0 ~ 10.0mm Red Seal	DD-18B**FF**A-QL8SN0	DD-18B**FM**A-QL8SN0	-	-
		10.0 ~ 12.0mm Yellow Seal	DD-18B**FF**A-QL8MN0	DD-18B**FM**A-QL8MN0	-	-
		12.0 ~ 14.0mm Blue Seal	DD-18B**FF**A-QL8LN0	DD-18B**FM**A-QL8LN0	-	-

***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

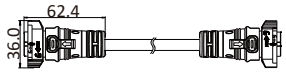
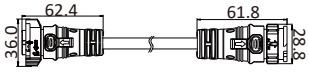
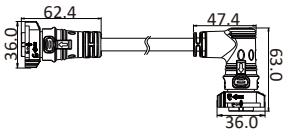
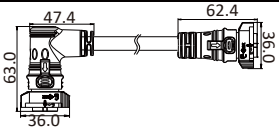
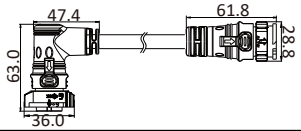
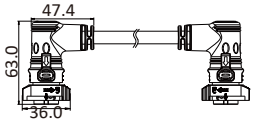
Large D Size

Mating Pair Page: **157~158**

No of Contacts	78				
Rated Voltage (AC/DC)	60V				
Nominal Current	0.5A				
Plastic / Metal	Plastic		Metal		
Pin Assignment **FF**: Female Connector Female Contact **MF**: Male Connector Female Contact **FM**: Female Connector Male Contact	FF	FM	FF	FM	
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1]					
	UL21388, PVC Jacket (For Data Group)	DD-78A**FF**M-QL8D11*	DD-78A**FM**M-QL8D11*	DSD-78A**FF**M-QL8D11*	DSD-78A**FM**M-QL8D11*
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1]					
	UL21388, PVC Jacket (For Data Group)	DD-78A**FF**M-QR8D11*	DD-78A**FM**M-QR8D11*	DSD-78A**FF**M-QR8D11*	DSD-78A**FM**M-QR8D11*
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 8.0 ~ 10.0mm, (Yellow Seal) 10.1 ~ 12.0mm, (Blue Seal) 12.1 ~ 14.0mm Packing Option: Connector With Contacts					
	Solder Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-78B**FF**G-QL8AP0*	DD-78B**FM**G-QL8AP0*	DSD-78B**FF**G-QL8AP0*	DSD-78B**FM**G-QL8AP0*
		8.0 ~ 10.0mm Red Seal	DD-78B**FF**G-QL8SP0*	DD-78B**FM**G-QL8SP0*	DSD-78B**FF**G-QL8SP0*	DSD-78B**FM**G-QL8SP0*
		10.1 ~ 12.0mm Yellow Seal	DD-78B**FF**G-QL8MP0*	DD-78B**FM**G-QL8MP0*	DSD-78B**FF**G-QL8MP0*	DSD-78B**FM**G-QL8MP0*
		12.1 ~ 14.0mm Blue Seal	DD-78B**FF**G-QL8LP0*	DD-78B**FM**G-QL8LP0*	DSD-78B**FF**G-QL8LP0*	DSD-78B**FM**G-QL8LP0*

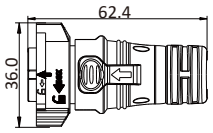
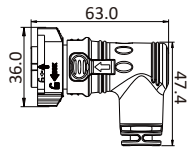
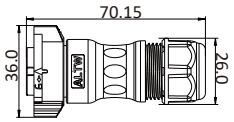
Large D Size

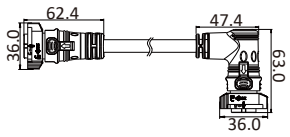
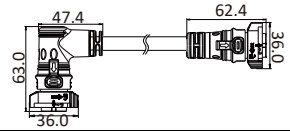
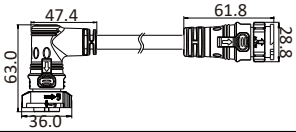
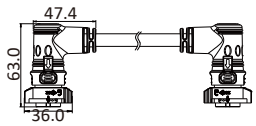
Mating Pair Page: **157~158**

No of Contacts		78			
Rated Voltage (AC/DC)		60V			
Nominal Current		0.5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment **FF**: Female Connector Female Contact **MF**: Male Connector Female Contact **FM**: Female Connector Male Contact					
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1)] | Connector/Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF					
	End1: **(F)** FF | End2: **(F)** FF	AB-DD78**F**L-DD**F**L-QD10*	-	AB-DSD78**F**L-DSD**F**L-QD10*	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DD78**F**L-DD**B**L-QD10*	-	AB-DSD78**F**L-DSD**B**L-QD10*	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-DD78**B**L-DD**B**L-QD10*	-	AB-DSD78**B**L-DSD**B**L-QD10*
	End1: **(F)** FF | End2: **(H)** MF	AB-DD78**F**L-DD**H**L-QD10*	-	AB-DSD78**F**L-DSD**H**L-QD10*	-
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1)] | Connector/Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF					
	End1: **(F)** FF | End2: **(F)** FF	AB-DD78**F**L-DD**F**R-QD10*	-	AB-DSD78**F**L-DSD**F**R-QD10*	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DD78**F**L-DD**B**R-QD10*	-	AB-DSD78**F**L-DSD**B**R-QD10*	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-DD78**B**L-DD**B**R-QD10*	-	AB-DSD78**B**L-DSD**B**R-QD10*
RIGHT ANGLE-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1)] | Connector/Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF					
	End1: **(F)** FF | End2: **(B)** FM	AB-DD78**F**R-DD**B**L-QD10*	-	AB-DSD78**F**R-DSD**B**L-QD10*	-
	End1: **(F)** FF | End2: **(H)** MF	AB-DD78**F**R-DD**H**L-QD10*	-	AB-DSD78**F**R-DSD**H**L-QD10*	-
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1)] | Connector/Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF					
	End1: **(F)** FF | End2: **(F)** FF	AB-DD78**F**R-DD**F**R-QD10*	-	AB-DSD78**F**R-DSD**F**R-QD10*	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DD78**F**R-DD**B**R-QD10*	AB-DD78**B**R-DD**B**R-QD10*	AB-DSD78**F**R-DSD**B**R-QD10*	-
	End1: **(B)** FM | End2: **(B)** FM	-	-	-	AB-DSD78**B**R-DSD**B**R-QD10*

***Upon Request**

[1)] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts			100		
Rated Voltage (AC/DC)			60V		
Nominal Current			0.5A		
Plastic / Metal			Plastic		Metal
Pin Assignment **FF**: Female Connector Female Contact **FM**: Female Connector Male Contact			FF	FM	FF	FM
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]						
	UL21388, PVC Jacket (For Data Group)		DD-100A**FF**M-QL8D11*	DD-100A**FM**M-QL8D11*	DSD-100A**FF**M-QL8D11*	DSD-100A**FM**M-QL8D11*
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (01) 1M ~ (99) 99M [1)]						
	UL21388, PVC Jacket (For Data Group)		DD-100A**FF**M-QR8D11*	DD-100A**FM**M-QR8D11*	DSD-100A**FF**M-QR8D11*	DSD-100A**FM**M-QR8D11*
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 8.0 ~ 10.0mm, (Yellow Seal) 10.0 ~ 12.0mm, (Blue Seal) 12.0 ~ 14.0mm						
	Solder Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-100B**FF**G-QL8AP0*	DD-100B**FM**G-QL8AP0*	DSD-100B**FF**G-QL8AP0*	DSD-100B**FM**G-QL8AP0*
		8.0 ~ 10.0mm Red Seal	DD-100B**FF**G-QL8SP0*	DD-100B**FM**G-QL8SP0*	DSD-100B**FF**G-QL8SP0*	DSD-100B**FM**G-QL8SP0*
		10.0 ~ 12.0mm Yellow Seal	DD-100B**FF**G-QL8MP0*	DD-100B**FM**G-QL8MP0*	DSD-100**FF**G-QL8MP0*	DSD-100**FM**G-QL8MP0*
		12.0 ~ 14.0mm Blue Seal	DD-100B**FF**G-QL8LP0*	DD-100B**FM**G-QL8LP0*	DSD-100B**FF**G-QL8LP0*	DSD-100B**FM**G-QL8LP0*

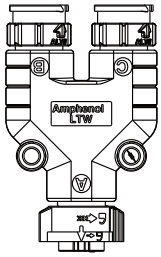
No of Contacts		100			
Rated Voltage (AC/DC)		60V			
Nominal Current		0.5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment **FF**: Female Connector Female Contact **MF**: Male Connector Female Contact **FM**: Female Connector Male Contact					
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector/Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF					
	End1: **(F)** FF | End2: **(F)** FF	AB-DD100**F**L-DD**F**L-QD10*	-	AB-DSD100**F**L-DS**F**L-QD10*	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DD100**F**L-DD**B**L-QD10*	-	AB-DSD100**F**L-DS**B**L-QD10*	-
	End1: **(F)** FF | End2: **(H)** MF	AB-DD100**F**L-DD**H**L-QD10*	-	AB-DSD100**F**L-DS**H**L-QD10*	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-DD100**B**L-DD**B**L-QD10*	-	AB-DSD100**B**L-DS**B**L-QD10*
STRAIGHT-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector/Contact Gender: **(F)** FF, **(B)** FM					
	End1: **(F)** FF | End2: **(F)** FF	AB-DD100**F**L-DD**F**R-QD10*	-	AB-DSD100**F**L-DS**F**R-QD10*	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DD100**F**L-DD**B**R-QD10*	-	AB-DSD100**F**L-DS**B**R-QD10*	-
	End1: **(B)** FM | End2: **(B)** FM	-	AB-DD100**B**L-DD**B**R-QD10*	-	AB-DSD100**B**L-DS**B**R-QD10*
RIGHT ANGLE-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector/Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF					
	End1: **(F)** FF | End2: **(B)** FM	AB-DD100**F**R-DD**B**L-QD10*	-	AB-DSD100**F**R-DS**B**L-QD10*	-
	End1: **(F)** FF | End2: **(H)** MF	AB-DD100**F**R-DD**H**L-QD10*	-	AB-DSD100**F**R-DS**H**L-QD10*	-
RIGHT ANGLE-TO-**RIGHT ANGLE**, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M [1] | Connector/Contact Gender: **(F)** FF, **(B)** FM					
	End1: **(F)** FF | End2: **(F)** FF	AB-DD100**F**R-DD**F**R-QD10*	-	AB-DSD100**F**R-DS**F**R-QD10*	-
	End1: **(F)** FF | End2: **(B)** FM	AB-DD100**F**R-DD**B**R-QD10*	AB-DD100**B**R-DD**B**R-QD10*	AB-DSD100**F**R-DS**B**R-QD10*	-
	End1: **(B)** FM | End2: **(B)** FM	-	-	-	AB-DSD100**B**R-DS**B**R-QD10*

*Upon Request

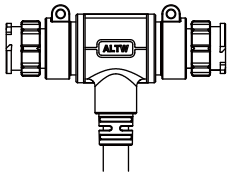
[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

Customization - Upon Request

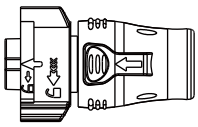
I Adaptor



Y Adaptor

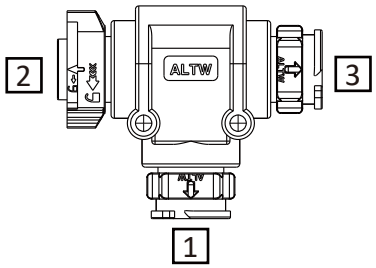


T Cable



Terminator

T Adaptor



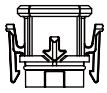
1 Current Rating:
(DD) 5A*
(DC) 20A
(DSD) 5A, Metal Shielded*
5 For Connector 1
6 For Connector 2
7 For Connector 3
Choose Connector / Contacts Gender:
(M): Male + Male
(F): Female + Female
(H): Male + Female
(B): Female + Male

Nominal Current	No. of Contacts	Mating style	Part Number	More Options
20A(DC)	02, 03, 04, 05	Push Lock	AB-DC-222-HBH-TQ001	AB-1-222-567-TQ001

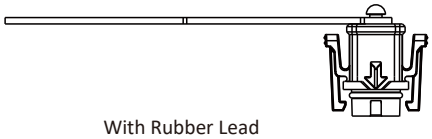
*Upon Request

Waterproof Cap

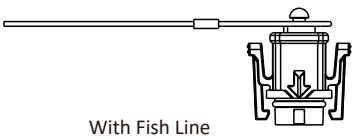
For Mating With Male



None

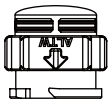


With Rubber Lead

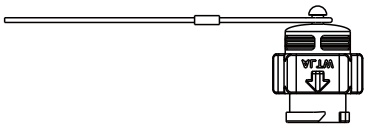


With Fish Line

For Mating With Female



None

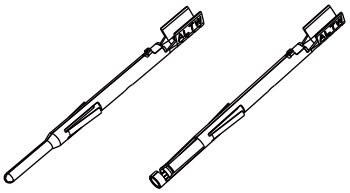


With Fish Line

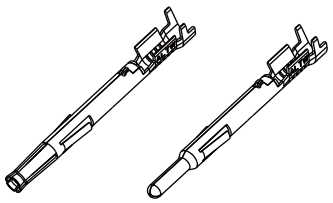
More to choose:
3 None (MA) / With Rubber Lead (PC)
4 None (MA) / With Fish Line (CD)
5 None (A) / With Fish Line (D)

Size	Mating Part	Gender of Mating Part	Mating Style	Part Number
D Size	Receptacle	Male	Push Lock	CAP-WADMQ31 CAP-WADMQ32 (Hybrid) CAP-WADMQ33 (Hybrid)
	Overmolded with Cable	Female		CAP-WADFQ41
		Male		CAP-WADMQM51 CAP-WADMQM52 (Hybrid)

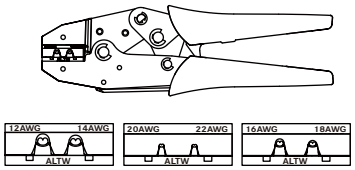
Contacts & Crimp Tool



5A



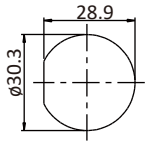
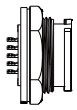
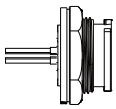
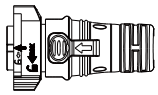
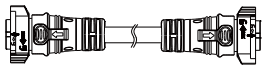
10A/20A



Crimp Tool

Nominal Current	Contact Gender	Part Number	Packages 6	Crimp Tool
5A	Male	ASSP-05-M-A-C-6	**(SA)** 50pcs / Box **(SB)** 100pcs / Box **(RE)** 5A 3,000pcs / Reel 10A 3,000pcs / Reel 20A 2,000pcs / Reel	P/N: ASST-C-05-W-A (22 ~ 20AWG | 0.34 ~ 0.50mm^2)
	Female	ASSP-05-F-A-C-6		
20A	Male	ASSP-20-M-A-C-6		P/N: ASST-C-20-W-C (14 ~ 12AWG | 2.50 ~ 4.00mm^2)
	Female	ASSP-20-F-A-C-6		

Macro E Size

No of Contacts	**Panel Cut Out** Circular Flange (D Cut) 	4 (3+1)	4 (2+2)	5 (3+2)	
Rated Voltage (AC/DC)		300V	300V	300V	
Nominal Current		50A+5A	80A+5A	50A+5A	80A+5A
Plastic / Metal		Plastic	Plastic	Plastic	
Pin Assignment **MM** : Male Connector Male Contact **FF**: Female Connector Female Contact **MF** : Male Connector Female Contact **FM** : Female Connector Male Contact		MM/FF	MM/FF	MM/FF	
Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: max. 3.5mm					
	Solder Type (For Data Group)	-	-	-	-
	Crimp Type (For Data Group)	EMD-04P**MM**C-QC8001 *	EPD-04P**MM**C-QC8001 *	EMD-05P**MM**C-QC8001 *	EPD-05P**MM**C-QC8001 *
	180° PCB Type (For Data Group)	EMD-04P**MM**P-QC8001 *	EPD-04P**MM**P-QC8001 *	EMD-05P**MM**P-QC8001 *	EPD-05P**MM**P-QC8001 *
Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm[1] | Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: max. 3.5mm					
	Solder Type, UL1430, XL-PVC Jacket	-	-	-	-
	Crimp Type, UL1015+UL1430, PVC+XL-PVC Jacket	EMD-04P**MM**C-QC8C 11 *	EPD-04P**MM**C-QC8C 11 *	EMD-05P**MM**C-QC8C 11 *	EPD-05PMMC-QC8C 11 *
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (10) 100mm ~ (50) 500mm[1]					
	UL21388, PVC Jacket (For Data Group)	-	-	-	-
	UL21996, PVC Jacket (For Hybrid Group)	EMD-04A**FF**M-QL8F 11 *	EPD-04A**FF**M-QL8F 11 *	EMD-05A**FF**M-QL8F 11 *	EPD-05A**FF**M-QL8F 11 *
STRAIGHT-TO-**STRAIGHT**, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1] | Connector / Contact Gender: **(F)** FF					
	End1: **(F)** FF | End2: **(F)** FF	AB-EMD04**F**L-EMD**F**L-QF 10 *	AB-EPD04**F**L-EPD**F**L-QF 10 *	AB-EMD05**F**L-EMD**F**L-QF 10 *	AB-EPD05**F**L-EPD**F**L-QF 10 *
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Cable O.D.: (ED / EDM) 14.5 ~ 19.0mm, (EPD) 24.0 ~ 28.0mm | Packing Option: Connector With Contacts					
	Screw-in Type (For Data and Hybrid Group)	EMD-04B**FF**B-QL8AP0 *	EPD-04B**FF**B-QL8AP0 *	EMD-05B**FF**B-QL8AP0 *	EPD-05B**FF**B-QL8AP0 *
	Crimp Type (For Data and Hybrid Group)	EMD-04B**FF**A-QL8AP0 *	EPD-04B**FF**A-QL8AP0 *	EMD-05B**FF**A-QL8AP0 *	EPD-05B**FF**A-QL8AP0 *

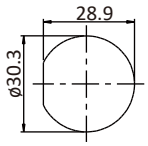
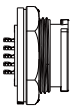
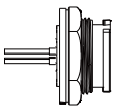
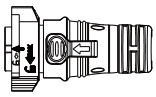
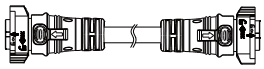
***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

Macro E Size

6 (3+3)	6 (2+4)	7 (3+4)		8 (3+5)	9 (3+6)	10 (3+7)	
300V	300V	300V		300V	300V	300V	
50A+5A	80A+5A	50A+5A	80A+5A	50A+5A	50A+5A	50A+5A	
Plastic	Plastic	Plastic		Plastic	Plastic	Plastic	
MM/FF	MM/FF	MM/FF		MM/FF	MM/FF	MM/FF	
							Mating
-	-	-	-	-	-	-	
EMD-06P**MM**C-QC8001 *	EPD-06P**MM**C-QC8001 *	EMD-07P**MM**C-QC8001 *	EPD-07P**MM**C-QC8001 *	EMD-08P**MM**C-QC8001 *	EMD-09P**MM**C-QC8001 *	EMD-10P**MM**C-QC8001 *	
EMD-06P**MM**P-QC8001 *	EPD-06P**MM**P-QC8001 *	EMD-07P**MM**P-QC8001 *	EPD-07P**MM**P-QC8001 *	EMD-08P**MM**P-QC8001 *	EMD-09P**MM**P-QC8001 *	EMD-10P**MM**P-QC8001 *	
-	-	-	-	-	-	-	
EMD-06P**MM**C-QC8C (11) *	EPD-06P**MM**C-QC8C (11) *	EMD-07P**MM**C-QC8C (11) *	EPD-07P**MM**C-QC8C (11) *	EMD-08P**MM**C-QC8C (11) *	EMD-09P**MM**C-QC8C (11) *	EMD-10P**MM**C-QC8C (11) *	
							Pair
-	-	-	-	-	-	-	
EMD-06A**FF**M-QL8F (11) *	EPD-06A**FF**M-QL8F (11) *	EMD-07A**FF**M-QL8F (11) *	EPD-07A**FF**M-QL8F (11) *	EMD-08A**FF**M-QL8F (11) *	EMD-09A**FF**M-QL8F (11) *	EMD-10A**FF**M-QL8F (11) *	
AB-EMD06**F**L-EMD**F**L-QF (10) *	AB-EPD06**F**L-EPD**F**L-QF (10) *	AB-EMD07**F**L-EMD**F**L-QF (10) *	AB-EPD07**F**L-EPD**F**L-QF (10) *	AB-EMD08**F**L-EMD**F**L-QF (10) *	AB-EMD09**F**L-EMD**F**L-QF (10) *	AB-EMD10**F**L-EMD**F**L-QF (10) *	
EMD-06B**FF**B-QL8AP0 *	EPD-06B**FF**B-QL8AP0 *	EMD-07B**FF**B-QL8AP0 *	EPD-07B**FF**B-QL8AP0 *	EMD-08B**FF**B-QL8AP0 *	EMD-09B**FF**B-QL8AP0 *	EMD-10B**FF**B-QL8AP0 *	
EMD-06B**FF**A-QL8AP0 *	EPD-06B**FF**A-QL8AP0 *	EMD-07B**FF**A-QL8AP0 *	EPD-07B**FF**A-QL8AP0 *	EMD-08B**FF**A-QL8AP0 *	EMD-09B**FF**A-QL8AP0 *	EMD-10B**FF**A-QL8AP0 *	

Macro E Size

No of Contacts	Panel Cut Out	11 (3+8)	12 (3+9)	31	
Rated Voltage (AC/DC)		300V	300V	300V	
Nominal Current		50A+5A	50A+5A	5A	
Plastic / Metal		Plastic	Plastic	Plastic	
Pin Assignment **MM** : Male Connector Male Contact **FF**: Female Connector Female Contact **MF**: Male Connector Female Contact **FM** : Female Connector Male Contact	Circular Flange (D Cut) 	MM/FF	MM/FF	MM/FF	
Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: max. 3.5mm					
	Solder Type (For Data Group)	-	-	ED-31P**MM**S-QC8001*	Mating
	Crimp Type (For Data Group)	EMD-11P**MM**C-QC8001*	EMD-12P**MM**C-QC8001*	-	
	180° PCB Type (For Data Group)	EMD-11P**MM**P-QC8001*	EMD-12P**MM**P-QC8001*	ED-31P**MM**P-QC8001*	
Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm[1] | Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: max. 3.5mm					
	Solder Type, UL1430, XL-PVC Jacket	-	-	ED-31PMM S-QC8A11*	
	Crimp Type, UL1015+UL1430, PVC+XL-PVC Jacket	EMD-11P**MM**C-QC8C11*	EMD-12P**MM**C-QC8C11*	-	
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated) 11 Cable Length: (10) 100mm ~ (50) 500mm[1]					Pair
	UL21388, PVC Jacket (For Data Group)	-	-	ED-31AFFM-QL8F11*	
	UL21996, PVC Jacket (For Hybrid Group)	EMD-11A**FF**M-QL8F11*	EMD-12A**FF**M-QL8F11*	-	
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M[1] | Connector / Contact Gender: **(F)** FF					
	End1: **(F)** FF | End2: **(F)** FF	AB-EMD11**F**L-EMD**F**L-QF10*	AB-EMD12**F**L-EMD**F**L-QF10*	AB-ED31**F**L-ED**F**L-QF10*	
Field Serviceable/Installable, STRAIGHT, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Cable O.D.: (ED / EDM) 14.5 ~ 19.0mm, (EPD) 24.0 ~ 28.0mm | Packing Option:					
	Screw-in Type (For Data and Hybrid Group)	EMD-11B**FF**B-QL8AP0*	EMD-12B**FF**B-QL8AP0*	-	
	Crimp Type (For Data and Hybrid Group)	EMD-11B**FF**A-QL8AP0*	EMD-12B**FF**A-QL8AP0*	-	

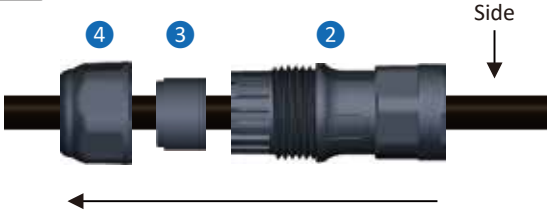
***Upon Request**

[1] Standard Lengths: 1M, 2M, 3M, 4M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

Assembly Instruction Screw-In Type

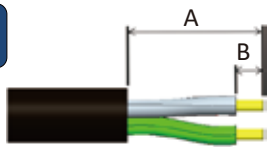
Nominal Current	2A	5A		10A	20A
Wire Range	24 ~ 22 AWG (0.25 ~ 0.34MM²)	22 ~ 20 AWG (0.34 ~ 0.50mm²)		18 ~ 16 AWG (0.75 ~ 1.50mm²)	14 ~ 12 AWG (2.50 ~ 4.00mm²)
Cable O.D. (Unit: mm)	**Mini Size** 4.0 ~ 6.0 (Red Seal) 6.0 ~ 8.0 (Blue Seal)	**Mini Size** 4.0 ~ 6.0 (Red Seal) 6.0 ~ 8.0 (Blue Seal)	**Middle Size** 6.0 ~ 8.0 (Red Seal) 8.0 ~ 10.0 (Yellow Seal) 10.0 ~ 12.0 (Blue Seal)	**Standard Size** 5.0 ~ 6.0 (Red Seal) 6.0 ~ 8.0 (Yellow Seal) 8.0~10.0 (Blue Seal)	**Middle Size** 6.0 ~ 8.0 (Red Seal) 8.0 ~ 10.0 (Yellow Seal) 10.0 ~ 12.0 (Blue Seal)
		Standard Size 5.0 ~ 6.0 (Red Seal) 6.0 ~ 8.0 (Yellow Seal) 8.0 ~ 10.0 (Blue Seal)	**Large Size** 8.0 ~ 10.0 (Red Seal) 10.0 ~ 12.0 (Yellow Seal) 12.0 ~ 14.0 (Blue Seal)	**Middle Size** 6.0 ~ 8.0 (Red Seal) 8.0 ~ 10.0 (Yellow Seal) 10.0 ~ 12.0 (Blue Seal)	**Large Size** 8.0 ~ 10.0 (Red Seal) 10.0 ~ 12.0 (Yellow Seal) 12.0 ~ 14.0 (Blue Seal)

1



Follow the order from 4 to 2 and put components through cable accordingly, no need to assemble here.

2

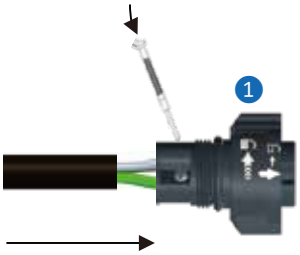


	Unit: mm
(A) Insulation	27.0
(B) Jacket	5.0

Follow suggested stripping length of **(A)** Jacket, **(B)** Insulation.

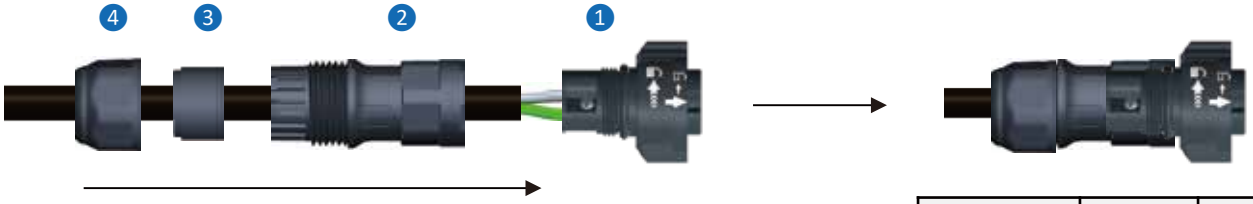
3

Torque Force: 0.61 ~ 0.84 kgf-cm



Insert wires into contacts until the conductors are completely covered. Then tighten the screw by screw driver.

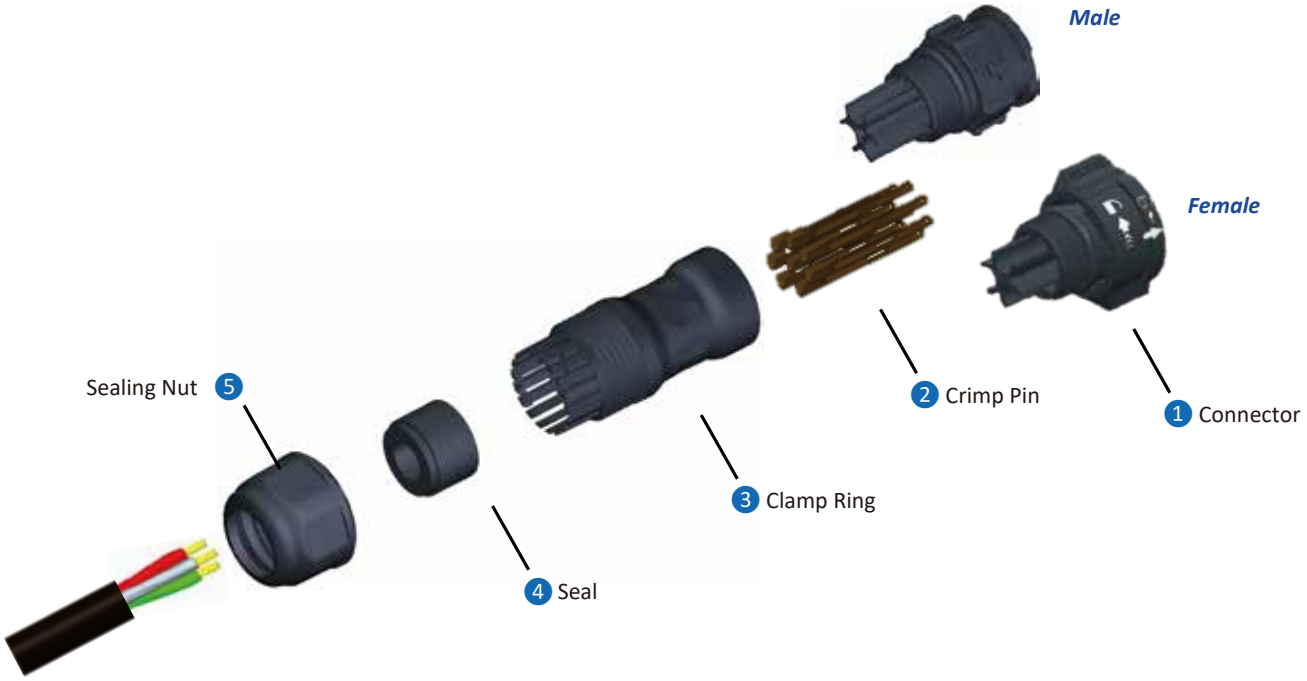
4



Follow the order 2 → 1, 3 → 2, 4 → 2 to assemble all components.
And tighten 1 & 2, 2 & 4 with suggested torque force.

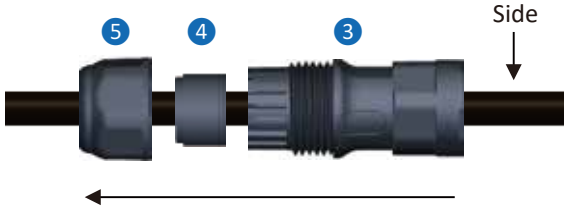
	1 & 2	2 & 4
Torque Force (Unit: kgf-cm)	6.0 ~ 8.0	8.0 ~ 15.0

Assembly Instruction Crimp Type



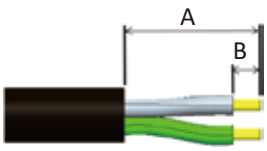
Nominal Current	5A		10A	20A
Wire Range	22 ~ 20AWG (0.34 ~ 0.50mm²)		18 ~ 16AWG (0.75 ~ 1.50mm²)	14 ~ 12AWG (2.50 ~ 4.00mm²)
Cable O.D. (Unit: mm)	**Mini Size** 4.0 ~ 6.0 (Red Seal) 6.0 ~ 8.0 (Blue Seal)	**Middle Size** 6.0 ~ 8.0 (Red Seal) 8.0 ~ 10.0 (Yellow Seal) 10.0 ~ 12.0 (Blue Seal)	**Standard Size** 5.0 ~ 6.0 (Red Seal) 6.0 ~ 8.0 (Yellow Seal) 8.0~10.0 (Blue Seal)	**Middle Size** 6.0 ~ 8.0 (Red Seal) 8.0 ~ 10.0 (Yellow Seal) 10.0 ~ 12.0 (Blue Seal)
	Standard Size 5.0 ~ 6.0 (Red Seal) 6.0 ~ 8.0 (Yellow Seal) 8.0 ~ 10.0 (Blue Seal)	**Large Size** 8.0 ~ 10.0 (Red Seal) 10.0 ~ 12.0 (Yellow Seal) 12.0 ~ 14.0 (Blue Seal)	**Middle Size** 6.0 ~ 8.0 (Red Seal) 8.0 ~ 10.0 (Yellow Seal) 10.0 ~ 12.0 (Blue Seal)	**Large Size** 8.0 ~ 10.0 (Red Seal) 10.0 ~ 12.0 (Yellow Seal) 12.0 ~ 14.0 (Blue Seal)

1



Follow the order from 5 to 3 and put components through cable accordingly, no need to assemble here.

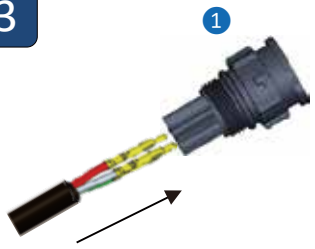
2



Current Rating	**(A)** Insulation	**(B)** Jacket
5A	16 ~ 18	3.5 ~ 4.0
10A	16 ~ 18	5.0 ~ 5.5
20A	18 ~ 20	5.0 ~ 5.5

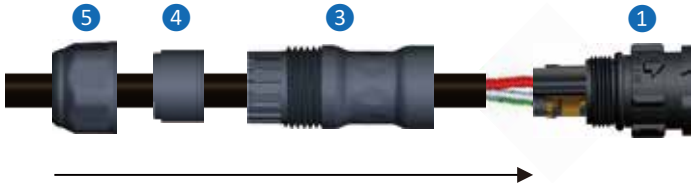
Follow suggested stripping length of **(A)** Jacket, **(B)** Insulation.

3



Terminate conductors onto crimp contacts and insert them into 1 until you hear click sound.

4



Follow the order 3 → 1, 4 → 3, 5 → 3 to assemble all components.
And tighten 1 & 3, 3 & 5 with suggested torque force.

	1 & 3	3 & 5
Torque Force (Unit: kgf-cm)	6.0 ~ 8.0	8.0 ~ 15.0

Cable List

Item No.	Jacket	Color	UL No.	Cable Specification	Cable OD	Copper Index (kg/km)	Weight (kg/km)
WCA00011181	PVC	Black	SJTW	12AWG*2C+Filler	10.70	60.80	163.10
WCA00011226	PVC	Black	SJTW	12AWG*3C	11.20	89.60	222.90
WCA00011182	PVC	Black	SJTW	12AWG*3C+Filler	11.70	89.85	207.67
WCA00011243	PVC	Black	UL2464	12AWG*3C+Filler	10.00	90.00	164.40
WCA00011242	PVC	Black	UL2464	12AWG*4C+Filler	11.00	120.40	228.70
WCA00012002	PVC	Black	SJTW	12AWG*4C+Filler	12.30	122.00	293.00
WCA00011183	PVC	Black	SJTW	12AWG*5C+Filler	13.60	149.50	328.90
WCA00010846	PVC	Black	UL1277,UL1581&UL83	14AWG*3C	9.70	53.80	134.20
WCA0485XX01	PVC	Black	UL2464	14AWG*3C+Talcum	7.00	55.80	100.10
WCA00011884	PU	Black	UL20234	14AWG*5C+Filler+Paper	10.00	115.70	180.00
WCA00012012	PU	Black	UL20234	14AWG*5C+Filler+Paper	10.00	115.70	180.00
WCA00011201	PVC	Black	UL21388	16AWG*2C+AL/Mylar	8.20	23.80	60.20
WCA00011206	PVC	Black	SJTW	16AWG*2C+Filler	8.20	24.25	85.10
WCA0264UV01	PVC	Black	UL2464	16AWG*2C+Talcum	5.80	23.80	57.70
WCA00010942	PVC	Black	UL2464	16AWG*2C+Talcum	7.80	24.20	95.00
WCA00010625	PVC	Black	UL2464	16AWG*3C+AL.Mylar+Drain	7.50	46.80	96.60
WCA00011202	PVC	Black	UL21388	16AWG*3C+AL/Mylar	8.60	35.70	71.50
WCA0579UV01	PVC	Black	UL2464	16AWG*3C+Drain+AL.Mylar	7.50	46.70	97.90
WCA00011207	PVC	Black	SJTW	16AWG*3C+Filler	8.60	36.02	105.21
WCA0285UV01	PVC	Black	UL2464	16AWG*4C+AL.Mylar	7.50	47.60	99.90
WCA00011203	PVC	Black	UL21388	16AWG*4C+AL/Mylar	9.30	47.60	88.40
WCA00011208	PVC	Black	SJTW	16AWG*4C+Filler	9.30	49.00	131.50
WCA00011204	PVC	Black	UL21388	16AWG*5C+AL/Mylar	10.70	59.40	99.80
WCA0263UV01	PVC	Black	UL2464	16AWG*5C+Talcum	7.80	59.50	108.80
WCA00011205	PVC	Black	UL21388	16AWG*6C+AL/PET	11.70	71.30	123.30
WCA0582UV01	PVC	Black	UL2464	16AWG*6C+Filler+Drain+AL.Mylar	9.50	82.10	153.60
WCA0583UV01	PVC	Black	UL2464	16AWG*7C+Drain+AL.Mylar	9.50	93.60	175.70
WCA00011299	PVC	Black	UL2464	18AWG*10C	9.00	77.00	145.00
WCE00010070-43	PVC	Black	UL21996	18AWG*2C+Talcum	3.4*5.3	14.82	36.97
WCE00010074-43	PVC	White	UL21996	18AWG*2C+Talcum	3.4*5.3	14.82	36.97
WCA00010897	PVC	Black	UL1277, UL15, 81&UL83	18AWG*3C	8.50	21.30	81.93
WCA00011209	PVC	Black	SJTW	18AWG*3C+Filler	8.00	21.30	81.93
WCA00010898	PVC	Black	UL1277, UL15, 81&UL83	18AWG*4C	9.20	35.00	125.00
WCE00010071-43	PVC	Black	UL21996	18AWG*4C+Talcum	3.4*9.2	29.64	68.14
WCE00010075-43	PVC	White	UL21996	18AWG*4C+Talcum	3.4*9.2	29.64	68.14
WCA00011240	PVC	Black	UL2464	20AWG*10C+AL.Mylar+Filler	9.00	48.00	116.40
WCA00011192	PVC	Black	UL21388	20AWG*10C+AL/Mylar	8.50	48.00	109.70
WCA00011436	PVC	Black	UL2464	20AWG*12C+AL.Mylar+Filler	9.00	57.60	125.10
WCA00011193	PVC	Black	UL21388	20AWG*12C+AL/Mylar	8.50	57.60	121.70
WCA00011200	PVC	Black	UL21388	20AWG*14C+AL/Mylar	8.50	67.20	130.60
WCA0470XX01	PVC	Black	UL2464	20AWG*14C+Braid	9.50	87.90	161.30
WCA0153XX01	PVC	Black	UL2464	20AWG*18C+AL.Mylar	9.50	86.40	154.20
WCA00011581-43	PVC	Black	UL 21996	20AWG*2C	5.20	9.40	34.02
WCA00011194	PVC	Black	UL21388	20AWG*18C+AL/Mylar	10.00	86.40	174.70
WCA00010781	PVC	Black	UL2464	20AWG*2C+AL.Mylar+Braid	5.50	17.70	41.60
WCA00011184	PVC	Black	UL21388	20AWG*2C+AL/Mylar	5.50	9.60	27.40
WCA0124UV01	PVC	Black	UL2464	20AWG*2C+Drain+AL.Mylar	5.80	14.40	48.40
WCE00010072-43	PVC	Black	UL21996	20AWG*2C+Talcum	3.2*5.0	14.10	41.45
WCE00010076-43	PVC	White	UL21996	20AWG*2C+Talcum	3.2*5.0	14.10	41.45
WCA00011580-43	PVC	Black	UL 21996	20AWG*3C	5.50	14.10	41.45
WCA0489UV01	PVC	Black	UL2464	20AWG*3C+AL.Mylar	5.00	14.40	39.30
WCA00010602	PVC	Black	UL2464	20AWG*3C+AL.Mylar+Braid+Drain	5.50	29.20	61.90
WCA00011185	PVC	Black	UL21388	20AWG*3C+AL/Mylar	5.50	14.40	43.70
WCA00011548-43	PVC	Black	UL 21996	20AWG*4C	6.00	18.80	48.46
WCA00011186	PVC	Black	UL21388	20AWG*4C+AL/Mylar	6.00	19.20	51.40
WCA0575UV01	PVC	Black	UL2464	20AWG*4C+Drain+AL.Mylar	5.50	24.00	52.10
WCE00010073-43	PVC	Black	UL21996	20AWG*4C+Talcum	3.2*8.5	18.80	53.34
WCE00010077-43	PVC	White	UL21996	20AWG*4C+Talcum	3.2*8.5	18.80	53.34
WCA00011187	PVC	Black	UL21388	20AWG*5C+AL/Mylar	6.20	24.00	59.20
WCA0576UV01	PVC	Black	UL2464	20AWG*5C+Drain+AL.Mylar	6.00	28.80	62.70
WCA00011188	PVC	Black	UL21388	20AWG*6C+AL/Mylar	6.80	28.80	71.80
WCA0577UV01	PVC	Black	UL2464	20AWG*6C+Drain+AL.Mylar	6.50	33.60	76.80
WCA00011189	PVC	Black	UL21388	20AWG*7C+AL/Mylar	6.80	33.60	75.80
WCA00010049	PVC	Black	UL2464	20AWG*7C+Drain+AL.Mylar	6.50	38.40	74.80
WCA00010550	PVC	Black	UL2464	20AWG*8C+AL.Mylar+Drain+Filler	6.80	43.00	86.00

Cable List

Item No.	Jacket	Color	UL No.	Cable Specification	Cable OD	Copper Index (kg/km)	Weight (kg/km)
WCA00011190	PVC	Black	UL21388	20AWG*8C+AL/Mylar	7.20	38.40	87.00
WCA00011489-28	PVC	Black	UL2464	20AWG*9C+AL.Mylar+Drain	7.40	48.50	101.80
WCA00011191	PVC	Black	UL21388	20AWG*9C+AL/Mylar	7.60	43.20	97.30
WCA00010868	PVC	Black	UL2464	22AWG*2C+Talcum	4.20	6.20	24.60
WCA00011339	PVC	Yellow	UL2517	22AWG*3C	4.50	9.00	31.50
WCA00011343	PU	Black	UL20549	22AWG*3C	3.80	9.00	26.00
WCA00011459-28	PVC	Black	UL2517	22AWG*3C	4.50	9.30	31.00
WCA00010063	PU	Black	NONUL	22AWG*3C+Talcum	4.50	9.00	26.40
WCA0570UV01	PVC	Black	UL2464	22AWG*3C+Talcum	5.00	9.30	35.20
WCA00011340	PVC	Yellow	UL2517	22AWG*4C	4.80	11.70	40.00
WCA00011344	PU	Black	UL20549	22AWG*4C	4.00	12.00	31.80
WCA00011460-28	PVC	Black	UL2517	22AWG*4C	4.80	12.00	38.00
WCA00011813-01	PVC	Black	UL2517	22AWG*4C+AL.Mylar+Braid	5.30	22.00	46.00
WCA00011872	PU	Black	UL20549	22AWG*4C+AL.Mylar+Braid+Paper	5.30	22.00	48.00
WCA00010062	PU	Black	NONUL	22AWG*4C+Insulation	4.80	12.00	29.40
WCA0571UV01	PVC	Black	UL2464	22AWG*4C+Talcum	5.00	12.40	38.60
WCA00011341	PVC	Yellow	UL2517	22AWG*5C	5.10	15.50	43.80
WCA00011687-01	PVC	Black	UL2517	22AWG*5C+AL.Mylar+Filler+Braid	5.70	26.00	58.00
WCA00011345	PU	Black	UL20549	22AWG*5C+Filler	4.40	15.00	43.50
WCA00011461-28	PVC	Black	UL2517	22AWG*5C+Filler	5.10	15.00	43.00
WCA00011870	PU	Black	UL20549	22AWG*5C+Filler+AL.Mylar+Braid+Paper	5.70	26.00	51.00
WCA00012245	PU	Black	UL20549	22AWG*5C+Filler+Paper	5.60	19.00	51.00
WCA00010061	PU	Black	NONUL	22AWG*5C+Filler+Talcum+Paper	5.00	15.50	38.50
WCA0352XX02	PU	Black	NONUL	22AWG*5C+Talcum	5.00	15.50	47.50
WCA0521UV01	PVC	Black	UL2464	22AWG*5C+Talcum	5.50	15.50	47.50
WCA0556UV01	PVC	Black	UL2464	24AWG*10C+Drain+AL.Mylar	6.50	22.00	63.80
WCA0557UV01	PVC	Black	UL2464	24AWG*12C+Drain+AL.Mylar	7.00	26.00	72.30
WCA0558UV01	PVC	Black	UL2464	24AWG*14C+Drain+AL.Mylar	7.00	30.00	77.10
WCA0465UV01	PVC	Black	UL2464	24AWG*15C+Drain+AL.Mylar	7.00	32.00	77.60
WCA0560UV01	PVC	Black	UL2464	24AWG*18C+Drain+AL.Mylar	8.00	38.00	100.70
WCA0284UV01	PVC	Black	UL2464	24AWG*25C+Drain+AL.Mylar	9.00	51.90	130.90
WCA0072UV01	PVC	Black	UL2464	24AWG*2C+Drain+AL.Mylar	4.20	6.00	24.00
WCA0027UV01	PVC	Black	UL2464	24AWG*2C+Talcum	4.20	4.00	22.70
WCA00010114	PVC	Black	UL2464	24AWG*37C+Drain+AL/Mylar	9.50	74.00	153.20
WCA00011746-03	PVC	Black	UL2517	24AWG*3C+AL.Mylar+Braid	4.60	13.10	31.30
WCA0549UV01	PVC	Black	UL2464	24AWG*3C+Drain+AL.Mylar	4.50	8.00	29.00
WCA0006UV01	PVC	Black	UL2464	24AWG*3C+Talcum	4.50	6.00	27.70
WCA00011726-03	PVC	Black	UL2517	24AWG*4C+AL.Mylar+Braid	5.00	16.40	38.50
WCA0219UV01	PVC	Black	UL2464	24AWG*4C+Drain+AL.Mylar	5.80	10.00	45.60
WCA0036UV01	PVC	Black	UL2464	24AWG*4C+Talcum	5.00	8.00	32.40
WCA00011584-43	PVC	Black	UL 21996	24AWG*5C	5.50	9.88	41.20
WCA0551UV01	PVC	Black	UL2464	24AWG*5C+Drain+AL.Mylar	5.00	12.00	37.00
WCA0229UV01	PVC	Black	UL2464	24AWG*5C+Talcum	5.00	10.00	34.40
WCA00011583-43	PVC	Black	UL 21996	24AWG*6C	5.80	11.86	45.21
WCA00011214	PVC	Black	UL2464	24AWG*6C+AL.Mylar	5.00	12.00	39.40
WCA0217UV01	PVC	Black	UL2464	24AWG*6C+Drain+AL.Mylar	5.80	14.00	45.00
WCA00011479-28	PVC	Black	UL2517	24AWG*6C+Filler	5.00	12.00	40.00
WCA00012067	PVC	Black	UL21388	24AWG*6C+Filler+AL.Mylar	5.20	11.40	35.40
WCA00011421	PVC	Yellow	UL2517	24AWG*6C+Filler+Talcum	5.00	17.60	49.20
WCA00011422	PU	Black	UL20549	24AWG*6C+Filler+Talcum	5.00	13.00	34.00
WCA0087UV01	PVC	Black	UL2464	24AWG*7C+Drain+AL/Mylar	5.80	16.00	51.00
WCA00011342	PVC	Yellow	UL2517	24AWG*8C	5.50	15.50	48.00
WCA00011346	PU	Black	UL20549	24AWG*8C	4.80	15.50	35.00
WCA00011462-28	PVC	Black	UL2517	24AWG*8C	5.50	15.50	48.00
WCA00011698-01	PVC	Black	UL2517	24AWG*8C+AL.Mylar+Filler+Braid	5.80	27.00	60.00
WCA0003UV01	PVC	Black	UL2464	24AWG*8C+Drain+AL/Mylar	5.50	18.00	45.70
WCA00012066	PVC	Black	UL21388	24AWG*8C+Filler+AL.Mylar	5.60	15.20	43.40
WCA00011814-01	PU	Black	UL20549	24AWG*8C+Filler+AL.Mylar+Braid+Paper	5.80	26.00	51.00
WCA00012341	PU	Black	UL20549	24AWG*8C+Filler+Paper	6.70	19.00	65.00
WCA0203UV01	PVC	Black	UL2464	24AWG*8C+Talcum	5.50	16.00	45.30
WCA0528UV01	PVC	Black	UL2464	24AWG*9C+Drain+AL.Mylar	6.00	20.00	54.80
WCA0540UV01	PVC	Black	UL2464	26AWG*6C+Drain+AL.Mylar	5.00	9.80	33.70
WCA0543UV01	PVC	Black	UL2464	26AWG*10C+Drain+AL.Mylar	6.00	15.00	50.30
WCA00011400	PU	Black	UL20549	26AWG*10C+Filler	6.00	14.00	48.00
WCA00011401	PVC	Yellow	UL2517	26AWG*10C+Filler	6.00	14.00	52.00

Cable List

Item No.	Jacket	Color	UL No.	Cable Specification	Cable OD	Copper Index (kg/km)	Weight (kg/km)
WCA00011463-01	PVC	Black	UL2517	26AWG*10C+Filler	6.00	14.00	52.00
WCA00011380	PU	Black	UL20549	26AWG*12C	6.00	16.00	47.00
WCA00011402	PVC	Yellow	UL2517	26AWG*12C	6.00	17.00	54.00
WCA00011464-01	PVC	Black	UL2517	26AWG*12C	6.00	17.00	55.00
WCA00011782-01	PVC	Black	UL2517	26AWG*12C+AL.Mylar+Braid	6.40	25.00	63.00
WCA00011871	PU	Black	UL20549	26AWG*12C+AL.Mylar+Braid+Paper	6.40	28.00	60.00
WCA0544UV01	PVC	Black	UL2464	26AWG*12C+Drain+AL.Mylar	6.00	17.60	53.10
WCA0545UV01	PVC	Black	UL2464	26AWG*15C+Drain+AL.Mylar	6.50	21.50	58.70
WCA00012148	PU	Black	UL20549	26AWG*17C+Filler	7.00	23.00	63.00
WCA00012173	PVC	Yellow	UL2517	26AWG*17C+Filler	7.00	24.00	73.00
WCA00012149	PVC	Black	UL2517	26AWG*17C+Filler	7.00	24.00	68.00
WCA00012151	PVC	Black	UL2517	26AWG*17C+Filler+AL.Mylar+Braid	7.50	40.00	91.00
WCA00012150	PU	Black	UL20549	26AWG*17C+Filler+AL.Mylar+Braid+Paper	7.50	39.00	80.00
WCA00010045	PVC	Black	UL2464	26AWG*22C+Drain+AL.Mylar	7.50	29.90	78.10
WCA0546UV01	PVC	Black	UL2464	26AWG*26C+Drain+AL.Mylar	8.00	35.80	91.30
WCA0449UV01	PVC	Black	UL2464	26AWG*31C+Drain+AL.Mylar	9.00	42.30	117.40
WCA0481UV01	PVC	Black	UL2464	26AWG*3C+Drain+AL.Mylar	4.00	5.20	22.40
WCA0547UV01	PVC	Black	UL2464	26AWG*44C+Drain+AL.Mylar	10.50	59.20	157.10
WCA0487UV01	PVC	Black	UL2464	26AWG*4C+Drain+AL.Mylar	4.80	7.20	30.80
WCA0486UV01	PVC	Black	UL2464	26AWG*5C+Drain+AL.Mylar	4.80	8.50	33.00
WCA00011480-01	PU	Black	-	CAT.5E 22AWG*2P+Drain+Filler+AL.Mylar	6.20	14.00	44.00
WCA00011527-17	LSZH	Green	-	CAT.6A S/FTP 26AWG*4P+AL/Polyester+Braid	6.60	17.99	47.08
WCA00010840	PVC	Black	-	CAT5E FTP 24AWG*4P+Mylar+D+AL.Mylar	6.50	17.97	47.34
WCA0373XX01	PVC	Beige	-	CAT5E FTP 24AWG*4P+Mylar+D+AL.Mylar	6.00	18.00	41.80
WCA0664UV01	PVC	Black	-	CAT5E FTP 24AWG*4P+Mylar+D+AL/Mylar	6.50	18.00	52.30
WCA0459XX01	PVC	Beige	-	CAT5E S-FTP 24AWG*4P+Mylar+AL.Mylar+D+B	6.10	30.97	55.00
WCA0663UV01	PVC	Black	-	CAT5E UTP 24AWG*4P	6.00	16.00	49.40
WCA00011688-03	PVC	Yellow	-	CL2 22AWG*2C+AL.Mylar+Drain+Braid	5.80	16.70	49.80
WCA0611XX01	PVC	Black	-	SJTW 14AWG*3C	9.50	56.70	154.50
WCA00010369	PVC	Black	-	STOOW 16AWG*4C	10.60	49.00	181.00
WCA00010899	PVC	Black	UL1277,UL1581,UL83	14AWG*3C+16AWG*1C	10.30	68.48	172.00
WCA00011252	PU	Black	UL20549	18AWG*2C+22AWG*4C+Filler+Paper	6.00	27.50	63.00
WCA00011253	PU	Black	UL20549	18AWG*2C+22AWG*6C+Filler+Paper	7.40	33.60	83.00
WCA00011254	PU	Black	UL20549	18AWG*2C+22AWG*8C+Filler+Paper	8.20	40.00	98.00
WCA00011582-43	PVC	Black	UL 21996	20AWG*2C+20AWG*3C	6.00	15.33	50.21
WCA0585UV01	PVC	Black	UL2464	24AWG*4C+20AWG*2C+Drain+AL.Mylar	6.00	22.40	57.40
WCA0042UV01	PVC	Black	UL2464	24AWG*6C+20AWG*2C+Drain+AL.Mylar	6.00	26.20	58.50
WCA0584UV01	PVC	Black	UL2464	26AWG*6C+24AWG*2C+Drain+AL.Mylar	5.50	13.70	42.80
WCA0365UV01	PVC	Black	-	28AWG*1P+24AWG*2C+AL.Mylar+Drain+Braid (USB2.0)	5.00	11.90	35.10
WCA00012165	PVC	Black	UL2725	28AWG*1P+28AWG*2C+AL.Mylar+Drain+Braid	3.80	10.00	21.00
WCA0691XX01	PVC	Black	UL2725	28AWG*1P+28AWG*3C+AL.Mylar+Drain+Braid	3.80	10.40	23.20
WCA00010259	PVC	Black	UL20276	[(18AWG*1P+AL)+(16AWG*1P+AL)]+Drain+AL+Braid	10.00	73.00	152.00
WCA00011922	PVC	Black	UL21996	(20AWG*1P+Drain+AL.Mylar)+16AWG*3C+Filler+AL.Mylar	8.50	50.61	115.27
WCA00010258	PVC	Black	-	[(22AWG+1P+AL)+(18AWG+1P+AL)]+Drain+AL.Mylar+Braid	7.00	42.00	80.00
WCA00010876	PVC	Black	UL2586	(24AWG*1P+A)*2C+16AWG*3C+EA	10.00	47.00	128.00
WCA00010257	PVC	Black	-	[(24AWG+1P+AL)+(22AWG+1P+AL)]+Drain+AL.Mylar+Braid	6.00	27.00	58.00
WCA00011350	PVC	Black	-	[(24AWG+1P+AL)+(22AWG+1P+AL)]+Drain+AL.Mylar+Braid	6.70	29.70	65.80
WCA00010437	PVC	Gray	-	[(24AWG+1P+AL)+(22AWG+1P+AL)]+Drain+Braid+Mylar	7.10	14.80	69.80
WCA00010080	PVC	Black	UL2464	(24AWG*25C+Mylar)+24AWG*25C+Drain+Al.Mylar	12.00	110.00	285.00
WCA00010710	PVC	Black	UL2464	(24AWG*2P+Drain+AL)+16AWG*3C+Filler+Paper	12.00	45.70	179.10
WCA00011923	PVC	Black	UL21996	(24AWG*2P+Drain+AL.Mylar)+12AWG*3C+Filler+AL.Mylar	11.50	99.97	187.20
WCA00010635	PVC	Black	UL2464	(24AWG*4P+Drain+AL)+16AWG*3C+Filler+Paper	11.00	41.70	149.70
WCA00010264	PVC	Black	UL20276	(26AWG*1P+Drain+AL.Mylar)*4C+26AWG*1P+26AWG*5C+AL.Mylar+Braid	8.50	45.50	94.30
WCA00011530-43	PVC	Black	UL21996	(26AWG*2P+AL.Mylar)+16AWG*2C+Filler+AL.Mylar	9.30	28.54	106.26
WCA00011531-43	PVC	Black	UL21996	(26AWG*2P+Drain+AL.Mylar)+16AWG*3C+Filler+AL.Mylar	11.00	41.58	146.60
WCA00011532-43	PVC	Black	UL21996	(26AWG*4P+Drain+AL.Mylar)+12AWG*3C+Filler+AL.Mylar	13.50	101.34	269.21
WCA00012137	PVC	Black	UL2725	(28AWG*1P+DAM)*2+28AWG*1P+28AWG*2C+Filler+AL.Mylar+Drain+Braid	6.00	21.80	48.20
WCA00010095	PVC	Black	UL20276	(28AWG*1P+Drain+AL+Mylar)*4C+(1P+3C)*28AWG+AL+Braid	7.30	33.90	73.70
WCA00010097	PVC	Black	UL20276	(28AWG*1P+Drain+AL+Mylar)*7C+28AWG*1P+28AWG*3C+AL+Braid	8.50	41.40	90.90
WCA00010081	PVC	Black	UL2464	[(28AWG*28C+Mylar)+28AWG*22C+Mylar]+28AWG*28C+Drain+AL	13.00	63.70	238.40
WCA00010096	PVC	Black	UL20276	[3COAX+(28AWG*1P+Drain+AL.Mylar+Mylar)*4+28AWG*1P+28AWG*6C]+AL.Mylar+Braid	8.50	53.50	93.10
WCA00010098	PVC	Black	UL20276	[3COAX+(28AWG*1P+Drain+AL+Mylar)*7+28AWG*1P+28AWG*6C]+AL+Braid	10.00	71.00	145.50
WCA00011960	PU	Black	UL20233	5C*2.5mm²+Filler+Paper	10.20	116.00	191.00
WCA00011175	PU	Black	UL20549	8C*0.34mm²+3C*1.0mm²+Filler	8.60	54.00	116.00
WCA00011176	PU	Black	UL20549	16C*0.34mm²+3C*1.0mm²+Filler	9.70	79.00	161.00

Power-limited Circuit Cable

Specifications

- Rated Voltage: 300V
- Temperature Range: FEP: 70˚C
  PVC: 60˚C, 75˚C
- Test Voltage: 900V AC at 2 seconds
- Conductor Range: 28AWG ~ 10AWG
- Conductor Material Available: Standard Bare Copper
- Insulator Material Available: FEP/PVC
- Jacket Material: FEP/PVC
- O.D. Tolerance: > Ø17.8 mm

(UL) E489959-N CLXX XX AWG XX°C 300V

CLXX: UL13 Cable Type
- Plenum Rated: (2P), (3P)
- Riser Rated: (2R), (3R)
- General Rated: (2), (3)
- Residential Rated: (2X), (3X)

XX°C: Temperature Rating
- FEP: (70)
- PVC: (60), (75)

Features & Applications:

Type	Fire Resistance Level	UL Standard	CSA	Application
CL3P CL2P	Plenum Rated (Highest)	UL 910, CMP	FT6	• Ducts or plenums air handling space
CL3R CL2R	Riser Rated	UL 1666, CMR	-	• Vertical shafts in non-plenum areas • Cable runs through more than one floor
CL3 CL2	General Purpose Rated	UL 1685, CMG/CM	FT4	• Power-limited circuit cable in non-plenum areas • Cable runs within one floor
CL3X CL2X	Residential Rated (Lowest)	VW-1, CMX	-	• Enclosed in non-plenum raceway or noncombustible tubing • Cable runs within one floor

Notes: UL File Number E489959; round or flat cable available

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Part Number		WCA00011262	WCA00011263	WCA00011435	WCA00011282	WCA00011283*	WCA00011272	WCA00011324
Cable Type		CL3P	CL3P	CL3P	CL3P	CL3P	CL3P	CL3P
Conductor	AWG	10	16	16	16	16	18	22
	No.	2	2	2	8	16	2	2
	Dia.	2.6	1.3	1.3	1.3	1.3	1.02	0.64
Insulation	Nom. Thick.	0.25mm	0.27mm	0.27mm	0.27mm	0.27mm	0.27mm	0.25mm
	Nom. Dia.	3.5±0.1mm	2.00±0.1mm	2.00±0.1mm	2.00±0.1mm	2.00±0.1mm	1.62±0.10mm	1.12±0.05mm
Jacket	Nom. Thick.	0.8mm	0.58mm	0.58mm	0.69mm	0.56mm	0.42mm	0.46mm
	Nom. Dia.	8.8±0.3mm	5.2±0.3mm	5.2±0.3mm	8.0±0.3mm	11.0±0.5mm	4.4±0.15mm	3.4±0.15mm
Conductor Resistance at 20˚C (Max.)		3.41Ω/km	13.7Ω/km	13.7Ω/km	13.7Ω/km	13.7Ω/km	21.9Ω/km	55.4Ω/km

* Upon Request

Other cable types and customization are available upon request.

UL 21996 Multiple-Conductor Cable Using Non-Integral Jacket

Specifications

- Rated Voltage: 300V
- Temperature Range: -40˚C ~ 105˚C
- Test Voltage: 2000V AC at 1 minute
- Wet Temperature Rating: 60˚C (Max.)
- Conductor Range: 30AWG ~ 10AWG
- Conductor Material Available: Tinned Copper
- Insulator Material Available: FEP/PVC
- Shielding Material Available: AL/Mylar: Coverage 100%, Overlap 25% (Min.)
  Braid: Tinned Copper, Overlap 65% (Min.)
  Spiral: Tinned Copper, Overlap 90% (Min.)
- Jacket Material: PVC
- O.D. Tolerance: > Ø17.8 mm
- Impedance: 100Ω ~ 120Ω ±15Ω

E489039-D AWM 21996 XX AWG -40℃ 105℃ 300V VW-1. AWM I/II A/B -40℃ 105℃ 300V FT1 Sun Res Wet 60℃ Cable

Application

Internal wiring and external interconnection of electronic equipment. Suitable for outdoor use.

Features

- Reference standard: UL Subject 758, UL 1581 & CSA C22.2 No.210.2
- Lead free PVC jacket
- Wide temperature range
- Sunlight resistant
- Passes UL VW-1(horizontal) & CSA FT1 (vertical) flammability tests
- Round or flat cable available
- Mixture, individual or paired conductors available
- UL File Number: E489039

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Single Insulated Conductor Cable

Part Number		WCA00011581-43	WCA00011580-43	WCA00011548-43	WCA00011584-43	WCA00011583-43
Conductor	AWG	20	20	20	24	24
	No.	2	3	4	5	6
	Dia.	0.942mm	0.942mm	0.942mm	0.609mm	0.609mm
Insulation	Nom. Thick.	0.38mm	0.38mm	0.38mm	0.35mm	0.35mm
	Nom. Dia.	1.70±0.10mm	1.70±0.10mm	1.70±0.10mm	1.30±0.07mm	1.30±0.07mm
Shield	Style	-	-	-	-	Paper
	Overlap	-	-	-	-	25%
Conductor Resistance at 20˚C (Max.)		34.6 / km	34.6 / km	34.6 / km	93.0 / km	93.0 / km
Jacket	Nom. Thick.	0.98mm	0.92mm	0.95mm	0.92mm	0.95mm
	Nom. Dia.	5.2±0.15mm	5.5±0.20mm	6.0±0.20mm	5.5±0.20mm	5.8±0.20mm

UL 21996 Multiple-Conductor Cable Using Non-Integral Jacket

Multi-conductor Cable

Part Number		WCA00011532-43		WCA00011530-43		WCA00011531-43		WCA00011582-43	
Component		A	B	A	B	A	B	A	B
Conductor	AWG	12	26	16	26	16	26	20	24
	No.	3	4	2	2	2	2	2	3
	Dia.	2.365mm	0.480mm	1.490mm	0.480mm	1.490mm	0.480mm	0.942mm	0.609mm
Insulation	Nom. Thick.	0.46mm	0.46mm	0.40mm	0.46mm	0.40mm	0.46mm	0.38mm	0.35mm
	Nom. Dia.	3.30±0.15mm	1.40±0.10mm	2.30±0.10mm	1.40±0.10mm	2.30±0.10mm	1.40±0.10mm	1.70±0.10mm	1.30±0.07mm
Shield	Style	-	Al. Mylar	-	Al. Mylar	-	Al. Mylar	-	Paper
	Overlap	-	25%	-	25%	-	25%	-	25%
Drain	AWG	-	26	-	-	-	26	-	-
	Dia.	-	0.480mm	-	-	-	0.480mm	-	-
Conductor Resistance at 20˚C (Max.)		5.54 / km	148.0 / km	13.7 / km	148.0 / km	13.7 / km	148.0 / km	34.6 / km	93.0 / km
Jacket	Nom. Thick.	1.65mm		1.65mm		1.65mm		0.9mm	
	Nom. Dia.	13.5±0.40mm		9.3±0.25mm		11.0±0.30mm		6.0±0.20mm	
Impedance		120±15		120±15		120±15		-	

Customization is available upon request.

UL 21388 Jacket Cable

Specifications

- Rated Voltage: 300V
- Temperature Range: ~ 80˚C
- Test Voltage: 2000V AC at 1 minute
- Conductor Range: 30AWG ~ 10AWG
- Conductor Material Available: Tinned Copper
- Insulator Material Available: FEP/PVC/PE
- Shielding Material Available: AL/Mylar: Coverage 100%, Overlap 25% (Min.)
  Braid: Tinned Copper, Overlap 65% (Min.)
  Spiral: Tinned Copper, Overlap 90% (Min.)
- Jacket Material: PVC
- O.D. Tolerance: > Ø17.8 mm
- Impedance: 100Ω ~ 120Ω ±15Ω

E489039-D AWM 21388 XX AWG 80°C 300V VW-1 AWM I/II A/B 80°C 300V FT1 Sun Res Cable

Application

Internal wiring and external interconnection of electronic equipment. Suitable for outdoor use.

Features

- Reference standard: UL Subject 758, UL1581 & CSA C22.2 No.210.2
- Lead free PVC jacket
- Wide temperature range
- Sunlight resistant
- Passes UL VW-1(horizontal) & CSA FT1 (vertical) flammability tests
- Round or flat cable available
- Mixture, individual or paired conductors available
- UL File Number: E489039

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Part Number		WCA00011201	WCA00011202	WCA00011203	WCA00011204	WCA00011205	WCA00011184
Conductor	AWG	16	16	16	16	16	20
	No.	2	3	4	5	6	2
	Dia.	1.496mm	1.496mm	1.496mm	1.496mm	1.496mm	0.953mm
Insulation	Nom. Thick.	0.23mm	0.23mm	0.23mm	0.23mm	0.23mm	0.23mm
	Nom. Dia.	2.10±0.10mm	2.10±0.10mm	2.10±0.10mm	2.10±0.10mm	2.10±0.10mm	1.50±0.10mm
Shield	Style	Al. Mylar	Al. Mylar	Al. Mylar	Al. Mylar	Al. Mylar	Al. Mylar
	Overlap	25%	25%	25%	25%	25%	25%
Jacket	Nom. Thick.	0.76mm	0.76mm	0.76mm	0.76mm	0.76mm	0.76mm
	Nom. Dia.	6.00±0.20mm	6.50±0.20mm	6.80±0.20mm	7.60±0.20mm	8.40±0.20mm	5.50±0.20mm
Conductor Resistance at 20˚C (Max.)		14.7 / km	14.7 / km	14.7 / km	14.7 / km	14.7 / km	36.7 / km

UL 21388 Jacket Cable

Find Our Standard Products

Part Number		WCA00011185	WCA00011186	WCA00011187	WCA00011188	WCA00011189	WCA00011190
Conductor	AWG	20	20	20	20	20	20
	No.	3	4	5	6	7	8
	Dia.	0.953mm	0.953mm	0.953mm	0.953mm	0.953mm	0.953mm
Insulation	Nom. Thick.	0.23mm	0.23mm	0.23mm	0.23mm	0.23mm	0.23mm
	Nom. Dia.	1.50±0.10mm	1.50±0.10mm	1.50±0.10mm	1.50±0.10mm	1.50±0.10mm	1.50±0.10mm
Shield	Style	Al. Mylar	Al. Mylar	Al. Mylar	Al. Mylar	Al. Mylar	Al. Mylar
	Overlap	25%	25%	25%	25%	25%	25%
Jacket	Nom. Thick.	0.76mm	0.76mm	0.76mm	0.76mm	0.76mm	0.76mm
	Nom. Dia.	5.50±0.20mm	6.00±0.20mm	6.20±0.20mm	6.80±0.20mm	6.80±0.20mm	7.20±0.20mm
Conductor Resistance at 20°C (Max.)		36.7 / km	36.7 / km	36.7 / km	36.7 / km	36.7 / km	36.7 / km

Part Number		WCA00011191	WCA00011192	WCA00011193	WCA00011200	WCA00011194
Conductor	AWG	20	20	20	20	20
	No.	9	10	12	14	18
	Dia.	0.953mm	0.953mm	0.953mm	0.953mm	0.953mm
Insulation	Nom. Thick.	0.23mm	0.23mm	0.23mm	0.23mm	0.23mm
	Nom. Dia.	1.50±0.10mm	1.50±0.10mm	1.50±0.10mm	1.50±0.10mm	1.50±0.10mm
Shield	Style	Al. Mylar	Al. Mylar	Al. Mylar	Al. Mylar	Al. Mylar
	Overlap	25%	25%	25%	25%	25%
Jacket	Nom. Thick.	0.76mm	0.76mm	0.76mm	0.76mm	0.76mm
	Nom. Dia.	7.60±0.20mm	8.50±0.25mm	8.50±0.25mm	8.50±0.20mm	10.0±0.30mm
Conductor Resistance at 20°C (Max.)		36.7 / km	36.7 / km	36.7 / km	36.7 / km	36.7 / km

Customization is available upon request.

UL 2464 Multiple-Conductor Cable Using Non-Integral Jacket

Specifications

- Rated Voltage: 300V
- Temperature Range: ~ 80˚C
- Test Voltage: 2000V AC at 1 minute
- Conductor Range: 30AWG ~ 10AWG
- Conductor Material Available: Tinned Copper
- Insulator Material Available: FEP/PVC/PE
- Shielding Material Available: AL/Mylar: Coverage 100%, Overlap 25% (Min.)
  Braid: Tinned Copper, Overlap 65% (Min.)
  Spiral: Tinned Copper, Overlap 90% (Min.)
- Jacket Material: PVC
- O.D. Tolerance: > Ø17.8 mm
- Impedance: 100Ω ~ 120Ω ±15Ω

E489039-D AWM 2464 XX AWG 80°C 300V VW-1 c AWM I/II A/B 80°C 300V FT1 Cable

Application

Internal wiring and external interconnection of electronic equipment. Suitable for outdoor use.

Features

- Reference standard: UL Subject 758, UL1581 & CSA C22.2 No.210.2
- Lead free PVC jacket
- Wide temperature range
- Sunlight resistant
- Passes UL VW-1(horizontal) & CSA FT1 (vertical) flammability tests
- Round or flat cable available
- Mixture, individual or paired conductors available
- UL File Number: E489039

FAQ

Question

Our most popular FAQs will help you to easily find the answers you need.

Q: What connectors can be used for power and signal distribution?

A: Ceres, SENSOR, X-Lok, RBL and HS-Lok connectors. For more detailed information and guide, please refer to our "Product Summary Table".

Q: Can ALTW connectors be used in direct burial?

A: No, they are not designed for this type of application. They should be routed inside a conduit or other means of reinforcement if deployed underground.

Q: Can ALTW connectors be used in continuous water immersion?

A: No, there is a limitation for their immersion to water as defined on each IP rating.
Only "Deeptronica" series can be used in permanent immersion.

Q: Why are ALTW connectors called waterproof if they can only be immersed for a certain period? Shouldn't they be called water resistant?

A: As long as the immersion period does not surpass the conditions specified on the IP rating, they can be refered to as waterproof.

Q: What is the Ingress Protection (IP) of ALTW connectors?

A: It ranges from IP65 to IP69K.

Q: Can ALTW connectors be connected/disconnected under load?

A: By default, only connectors for data (RJ45, DVI, HDMI, and USB) can be used in hot-plugging.
Power connectors need to be customized to achieve this.

FAQ

Q: Do ALTW connectors comply with MIL STD?

A: No, ALTW connectors are only evaluated under EIA, IEC and UL standards.

Q: What connectors can be used in high-speed base band data transmission?

A: Ceres, X-Lok, M12 D & X-coded, RJ45, DVI, HDMI, USB and FLOS connectors.

Q: Can ALTW connectors be customized to meet certain requirements?

A: Yes, connectors can be customized to meet customer requirements. If a certification is required, it will be applied. If not, ALTW can provide in-house test reports as a confirmation that the pre-defined specifications have been met.

Q: Do ALTW connectors have ATEX certification?

A: No, ALTW connectors are not yet certified by ATEX.

Q: What is the difference between Oleophobic and Hydrophobic protective vents? What is the main function of the vent?

A: These properties refer to the fluid resistance of the membrane in the vent. Hydrophobic means that the membrane is water repelling, while Oleophobic means the membrane is oil repelling.
They are used in applications that require the balancing of internal and external pressures such as electrical cabinets, wireless access points, control hubs and junction boxes. The trapped air inside the enclosures expands or contracts relative to the heat emitted by the components it encloses and the external ambient temperatures.

If your question is not answered here, please contact
Amphenol LTW Customer Service or browse our website for more information.
www.amphenolltw.com

Scan here to contact us or e-mail us at sales@ltw-tech.com

Lexicon

UV Resistant

Being resistant to ultraviolet light (UV), or sunlight, means being able to withstand or resist the degradation caused by ultraviolet light. UV light causes non-resistant materials and surfaces to fade or discolor.

Flammability

The ability of a chemical to burn or ignite, causing fire or combustion. The degree of difficulty required to cause the combustion of a chemical is quantified through fire testing.
Flammability can be classified as low (least flame-retarded) to high (most flame-retarded). From lowest to highest it is classified as follows:

- HB - horizontal slow burning: Burning rate under 76mm/min for a thickness below 3mm or the burning stops before 100mm
- V-2: Burning stops within 30 seconds on a vertical specimen and drips of flaming particles are allowed
- V-1: Burning stops within 30 seconds on a vertical specimen and drips of particles are allowed as long as they are not inflamed
- V-0: Burning stops within 10 seconds on a vertical specimen and drips of particles are allowed as long as they are not inflamed

IEC

The International Electrotechnical Commission (IEC) is the world's leading organization for the preparation and publication of international standards for all electrical, electronic and related technologies. These are known collectively as “electrotechnology”.

The IEC provides a platform for companies, industries and governments to meet, discuss and develop the international standards they require. All IEC standards are consensus-based and represent the needs of the key stakeholders of every nation participating. Every member country has a vote on what is included into an IEC international standard.

UL 50e

This standard applies to enclosures for electrical equipment intended to be installed and used in non-hazardous locations. It covers additional environmental construction and performance requirements for enclosures.

UL 1863

This standard applies to Safety Communication - circuit Accessories. It covers telecommunications-circuit accessories, such as jack and plug assemblies, quick-connect terminal assemblies, telephone wall plates, telephone extension cords, cross-connect terminal-block assemblies, maintenance terminal modules, terminal enclosures, cable-splice enclosures, network-interface devices, wire-guide assemblies, and connector boxes.

Lexicon

UL 1977

These requirements cover single and multipole connectors intended for factory assembly to copper or copper alloy conductors or printed wiring boards for use in data, signal, control and power applications within and between electrical equipment.

UL 2237

This standard covers multi-point interconnection power cable assemblies. They may consist of power cable assemblies, male or female power cable fittings, panel-mounted power cable/conductor fittings and feeder-tap power cable fittings, referred to as the device in this standard, used with industrial machinery in accordance with the National Fire Protection Association Electrical Standard for Industrial Machinery, NFPA 79 that have system voltages up to and including 1,000 V.

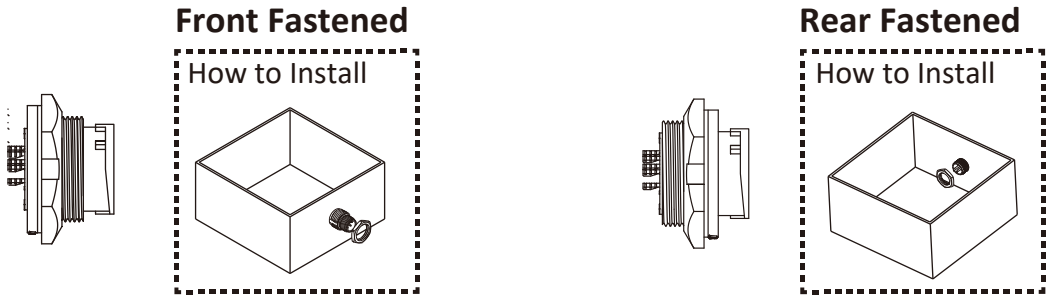
UL 2238

These requirements cover devices intended for inter-connection of equipment, sensors, and actuators in remote-control, signaling, and power-limited circuits. Included are cable assemblies and fittings, feeder-tap cable systems, feed-through connectors, multi-outlet fittings, panel-mount fittings, and splitters. These devices are rated at no more than 60 A and no more than 600 V. These devices are not intended for disconnect means.

LV214

This automotive standard was developed by German car manufacturers Audi, BMW, Daimler, Porsche and Volkswagen. It addresses the ability of terminals to be effectively evaluated by crimp force monitors. The terminals must exhibit certain crimp force to be used in an automotive wire harness.

Fasten Style of Nut



Lexicon

Mating Style

Screw Thread

- Ceres
- RJ45
- Cable Joiner & FICX
- Power
- USB
- M Series
- HDMI
- Cable Gland
- NMEA
- RF
- LED Light Guide
- D-Sub
- DVI
- Vent

2 Points Lock Bayonet

- Ceres
- Power
- USB

3 Points Lock Bayonet

- Ceres
- Power
- RJ45
- Fiber

Push Pull

- M Series
- FLOS & FLOS+
- HS-Lok
- USB

Push Lock With Latches

- RBL
- D-Sub
- SSL

Push Lock

- X-Lok
- USB

Termination Style

PCB 180° | PCB 90° | Solder | Screw In | Crimp | IDC | Push In | SMT

ODVA

ODVA is a global association whose members comprise of world's leading automation companies. ODVA's mission is to advance open, interoperable information and communication technologies in industrial automation. The association recognizes its media independent network protocol, the Common Industrial Protocol or "CIP" – and the network adaptations of CIP – EtherNet/IP, DeviceNet, CompoNet and ControlNet – as its core technology and the primary common interest of its membership.

ODVA's vision is to contribute to the sustainability and prosperity of the global community by transforming the model for information and communication technology in the industrial ecosystem.

NMEA 2000

NMEA 2000 is a protocol used to create a network of electronic devices – mainly marine instruments – on a boat. Various instruments that meet the NMEA 2000 standard are connected to one central cable, known as a backbone. The backbone powers each instrument and relays data among all the instruments on the network. This allows one display unit to show many different types of information and allows the instruments to work together. NMEA 2000 is meant to be "plug and play" to allow devices made by different manufacturers to talk and listen to each other.

Lexicon

Amphenol LTW's IPCS (Intelligent Pre-cabling Systems)

Amphenol LTW Intelligent Pre-Cabling System (IPCS) is your solution for the LED Lighting incorporation in indoor and outdoor applications. With a simplified design and wide flexibility, IPCS solves all your needs for electrical wiring and cabling infrastructure. It also provides large savings in on-site installation time and costs. The concept of IPCS is suitable for ALTW's various connector series, ideal for a large variety of customization.

Amphenol LTW's Power / Data / Hybrid Solutions

We are dedicated to developing interconnect solution to fulfill customer requirements of power or data applications, and as devices increasingly carry more functions in reduced spaces, Hybrid solutions are the answer to space limitation and multi-function. Below is the product series for Power, Data, and Hybrid applications.

0.5A ~ 2A

- Ceres
- X-Lok
- M Series
- D-Sub
- DVI
- HDMI
- USB
- HS-Lok
- FLOS & FLOS+

3A ~ 5A

- Ceres
- X-Lok
- M Series
- D-Sub
- SSL
- RBL
- HS-Lok
- FLOS & FLOS+
- NMEA 2000
- USB

6A ~ 10A

- Ceres
- X-Lok
- M Series
- Power
- Mini
- RBL
- FLOS & FLOS+
- NMEA 2000
- USB
- Cable Joiner & FICX

11A ~ 20A

- Ceres
- X-Lok
- M Series
- Power
- Mini
- RBL
- FLOS & FLOS+
- Cable Joiner & FICX

25A ~ 30A

- M Series
- FLOS & FLOS+
- Power

50A

- X-Lok
- Power

80A

- X-Lok
- Power

120A ~ 150A

- Power

Cross Section Conversion From AWG To mm²

26 AWG	0.14 mm²	16 AWG	1.50 mm²	4 AWG	25.00 mm²
24 AWG	0.25 mm²	14 AWG	2.50 mm²	2 AWG	35.00 mm²
22 AWG	0.34 mm²	12 AWG	4.00 mm²	1 AWG	50.00 mm²
20 AWG	0.50 mm²	10 AWG	6.00 mm²	2/0 AWG	70.00 mm²
18 AWG	0.75 mm²	8 AWG	10.00 mm²		
17 AWG	1.00 mm²	6 AWG	16.00 mm²		

Ingress Protection (IP) Rating Guide

Waterproof Definition

Unmated Waterproof

Standalone waterproof or waterproof is assured even without its counterpart. The water will not go through the inner portion of the exposed connector as it is entirely sealed.

Mated Waterproof

Waterproof is only assured when mated and locked tightly to its counterpart.

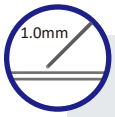
1st numeral - solid foreign objects

No protection. **0**

Protected against solid foreign objects of 50 mm Ø and greater. **1**

Protected against solid foreign objects of 12,5 mm Ø and greater. **2**

Protected against solid foreign objects of 2,5 mm Ø and greater. **3**



Protected against solid foreign objects of 1,0 mm Ø and greater. **4**

Dust-protected. **5**

Dust-tight. **6**

Example:

IP 6 5

Protected against water jets.

Dust-tight.

2nd numeral - water

No protection. **0**

Protected against vertically falling water drops. **1**

Protected against vertically falling water drops when enclosure tilted up to 15°. **2**

Protected against spraying water. **3**

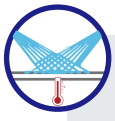
Protected against splashing water. **4**

Protected against water jets. **5**

Protected against powerful water jets. **6**

Protected against the effects of temporary immersion in water. **7**

Protected against the effects of continuous immersion in water. **8**



Protected against high pressure and temperature water jets. **9K**

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