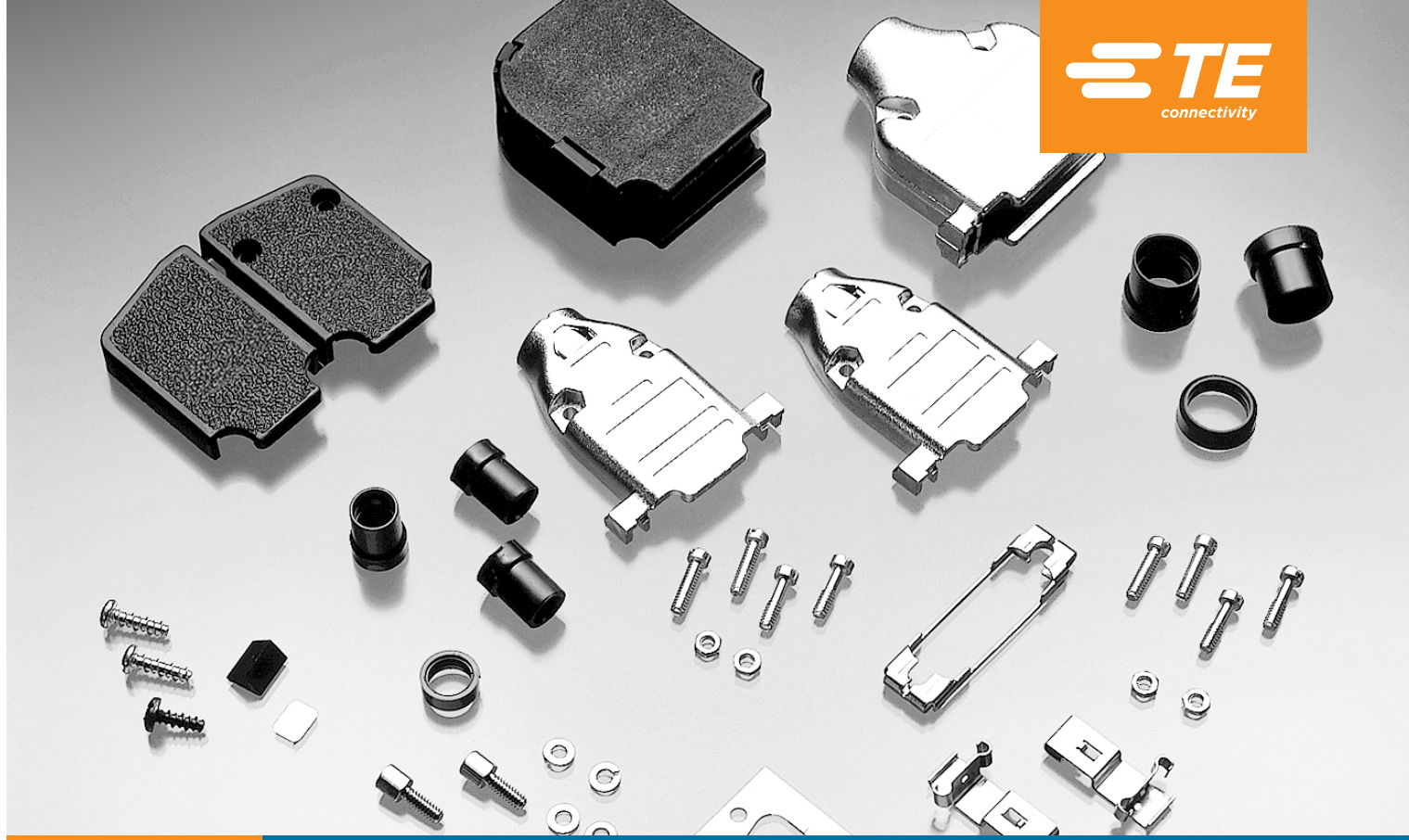




AMPLIMITE Cable Connector Accessories

Cable Clamps, Contacts and Miscellaneous Hardware

Quick Reference Guide

We offer one of the broadest, most versatile portfolios of D-subminiature connectors in the market with unrivaled engineering support to address our customer's needs. Our reliable AMPLIMITE cable connectors are available in a variety of plating types to satisfy different applications. These connectors are intermateable with any size 20 or 22 D-subminiature connector dimensionally complying with MIL-C-24308.

Features & Benefits

- Low cost, high performance precision formed contacts
- Crimp snap-in contacts allow loading of only the number of contacts being used
- Numerous cable clamps and mating hardware options

Applications

- Industrial machinery
- Medical instrumentation
- Computers and peripherals
- RAID storage arrays
- File servers/routers
- Tape storage systems
- Work stations
- On-machine industrial communications
- Personal and handheld devices

AMPLIMITE Cable Connector Accessories

Cable Clamps, Contacts and Miscellaneous Hardware

How to Select an AMPLIMITE Connector Part Number

The charts on the following pages highlight the AMPLIMITE part numbers with the key product attributes to help identify the correct part for your application. Each section also includes a list of materials to characterize the composition of each part.

HDP-20 Connector Contacts, Precision Formed

Crimp Snap-In Contacts

With Insulation Support

Wire Size Range: AWG	Insulation Diameter Max.	Contact Finish (Plating Code)	Pin		Socket		Hand Tools for Loose Form Contacts		
			Strip Form	Loose Form	Strip Form	Loose Form	Pro-Crimper II Hand Tool	Certi-Crimp II Hand Tool (Color Code)	Applicators* for Strip Form Contacts
28-24	.040	A	66507-3	66507-9	66505-3	66505-9	58448-2	913503-1 Blue Dot	466901-1***
		B	1658540-4	1658540-5	1658538-2	-			
		C	66507-4	1-66507-0	66505-4	1-66505-0			
		D	1658540-1	1658540-2	1658538-3	1658538-1			
	.060	A	66682-2	66682-4	66683-2	66683-4	-	91549-1 Black Dot	466963-1***
		B	5066682-9	-	1-5066683-0	-			
26-22	.040	D	5066682-6	-	5066683-7	-	-	91525-1 Yellow Dot	466968-1***
		A	745254-2	745254-6	745253-2	745253-6			
		B	1658544-2	1658544-1	1658543-2	1658543-1			
		C	745254-3	745254-7	745253-3	745253-7			
24-20	.060	D	1658544-3	-	1658543-3	-	58448-2	913503-1 Red Dot	466900-1***
		A	66506-3	66506-9	66504-3	66504-9			
		B	1658539-1	1658539-3	1658537-3	1658537-4			
		C	66506-4	1-66506-0	66504-4	1-66504-0			
		D	1658539-2	1658539-4	1658537-1	1658537-2			

Without Insulation Support

Wire Size Range: AWG	Insulation Diameter Max.	Contact Finish (Plating Code)	Pin		Socket		Hand Tools for Loose Form Contacts	
			Strip Form	Strip Form	Strip Form	Strip Form	Certi-Crimp II Hand Tool (Color Code)	Applicators for Strip Form Contacts
28-24	.068	A	205310-2	205311-3	91548-1 (blue dot)	466903-1***		
24-20	.068	A	205202-2	205201-3	91548-1 (red dot)	-		
		C	205202-6	205201-6				
22-18	.068	A	745229-2	745230-2	91513-1 (green dot)	-		
		B	1658541-1	1658542-2				
		C	745229-5	745230-5				
		D	-	1658542-1				

*For Part Nos. of Special Applicators and Applicators for other model machines, call the TE Connectivity Tooling Assistance Center at 1-800-722-1111

***For use with AMP-O-MATIC Model II Stripper-Crimper Machine

Notes:

1. Wire Insulation diameter is limited by the connector housing cavity and clearance for the insertion/extraction tool.
2. All part numbers are RoHS compliant.

Material and Finish

Pin: Brass

Socket: Phosphor bronze

Plated:

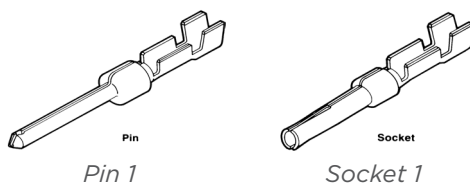
A: select: gold flash over nickel on entire contact, with additional .000030 gold on mating end

B: duplex: .000030 gold on mating end, tin on termination end, with entire contact nickel underplated

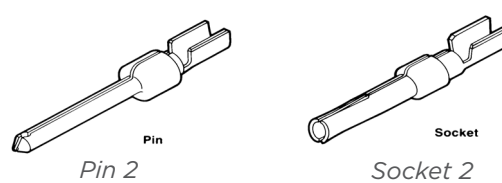
C: gold flash over nickel on entire contact

D: duplex: gold flash on mating end, tin on termination end, with entire contact nickel underplated

With Insulation Support



Without Insulation Support



AMPLIMITE Cable Connector Accessories

Cable Clamps, Contacts and Miscellaneous Hardware

HDP-20 Connector Contacts, Precision Formed

Square Posted Contacts

Material and Finish

Pin: Brass

Socket: Phosphor bronze

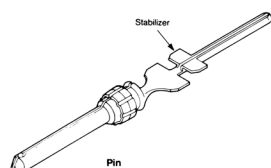
Plated:

A: duplex plated .000030 gold on mating end, with entire contact .000050 min. nickel underplated

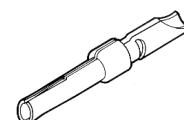
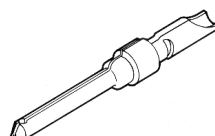
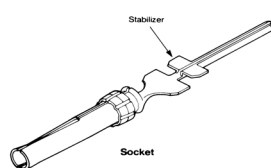
B: duplex plated gold flash on mating end, with entire contact .000050 min. nickel underplated

Notes:

1. All part numbers are RoHS compliant.



Square Posted Contacts



Solder Cup Contacts, Snap-In

Contact Finish (Plating Code)	.125 Post Length*		.188 Post Length*		.427 Post Length*		.651 Post Length*	
	Socket	Pin	Pin	Socket	Pin	Socket	Pin	Socket
A	5-745288-5	5-745287-4	4-745287-7	5-745288-8	5-745287-0	6-745288-1		
B	-	-	-	7-745288-2	-	7-745288-2		

*Length of post extending from rear of HDP-20 metal-shell connector

18 AWG Max. Wire (.46 Max. Conductor Diameter)			
Strip Form Contact Number		Loose Form Contact Number	
Pin	Socket	Pin	Socket
66570-2	66569-2	66570-3	66569-3

HDP-22 Crimp Snap-In Contact Connectors

Precision Formed Crimp Snap-In Contacts, Size 22 DF

Wire Size AWG	Contact Finish (Plating Code)	Pin		Socket		Hand Tools for Loose Form Contacts: PRO-CRIMPER II HAND TOOL	
		Strip Form	Loose Form	Strip Form	Loose Form		
28-22	A	1658670-1	1658670-2	1658686-1	1658686-2	90800-1	91520-1
	B	1658670-3	1658670-4	1658686-3	1658686-4		

Notes:

1. Strip form contacts shipped 20,000 pcs/reel.

Material and Finish

Pin: Brass

Socket: Phosphor bronze

Finish:

A: duplex plated .000030 gold on mating end, tin on crimp barrel, with entire contact underplated

B: duplex plated gold flash on mating end, tin on crimp barrel, entire contact nickel plated

HDE-20 Crimp Snap-In Contact Connectors

Ferrules for Shielding Hardware Kits

Material and Finish

Steel (annealed), tin plated

Notes:

1. All part numbers are RoHS compliant.

* Die sets used with Hand Crimping Tool Part No. 54334411 or Pneumatic Bench Tool Part No. 312522-3 equipped with Die Set Holder Part No. 58449-1.

Shell Size	Style	L Dimension	Cable Diameter	Ferrule	Die Sets*
1-3	Stepped	.440	.165-.190	3-747579-0	543424-3
1-3	Stepped	.440	.190-.217	3-747579-0	543424-2
1-3	Stepped	.440	.217-.246	3-747579-0	543424-8
1-3	Stepped	.440	.246-.284	3-747579-2	543424-1
1-3	Stepped	.440	.284-.324	3-747579-2	543424-7
1-3	Stepped	.440	.324-.375	3-747579-4	543424-6
1-3	Straight	.440	.375-.435	2-747579-7	543424-5
1-3	Straight	.440	.400-.455	3-747579-6	543424-4
4	Stepped	.625	.230-.265	2-747580-4	543425-2
4	Stepped	.625	.338-.385	2-747580-3	543425-1
4	Stepped	.625	.375-.432	2-747580-1	58238-1
4	Stepped	.625	.422-.490	3-747580-1	58237-2
4	Straight	.625	.480-.562	2-747580-2	58237-1

HDE-20 Contacts, Precision Formed

Interchangeable Contacts, Crimp Snap-In

Wire Size Range AWG	Code*	Insulation Diameter		Contact Part Numbers		
		Single Wire	Two Wire	Contact Finish (Plating Code)	Pin Strip Form	Socket Strip Form
26-22	4	.054	.039	A	-	1-745269-1
				B	1-745266-0	1-745269-0
22-18	3	.075	.054	A	1-745267-0	1-745270-1

*A Code indicating accepted wire size range is stamped inside insulation crimp barrel of each contact

Notes:

1. Extraction Tool No. 91232-1 is used to remove pin and socket contacts.

2. Strip form contacts shipped 10,000 pieces/reel.

Material and Finish

Phosphor bronze, duplex plated as follows:

A: Duplex plated .000030 gold on mating end, tin on termination end, with entire contact nickel underplated

B: Gold flash on mating end, tin on termination end, with entire contact nickel underplated

AMPLIMITE Cable Connector Accessories

Cable Clamps, Contacts and Miscellaneous Hardware

Unshielded Cable Clamps

Straight/ 90° Exit

Shell Size	Dim. A	Dim. B	Cable Dia (Max.)	Cable Clamp Kit No. (Individual)
2	1.550	.826	.350	5206471-1
3	2.090	.826	.335	5206472-1
4	2.738	.826	.460	5745134-1
5	2.644	.938	.675	5745081-1
			.775	5745082-1

Material and Finish

Cable Clamp Housing: Thermoplastic, black with textured finish

4-40 Mounting Screws: Steel, tin plated

4-40: Housing Screws & Hex Nuts: Steel, zinc plated

Notes:

1. All parts are packaged unassembled.
2. Straight or 90° cable exit is achieved by inserting AMP-TY Cable Ties through cable tie openings and clamping the cable to one housing half only.
3. All part numbers are RoHS compliant.

Material and Finish

Cover: Polypropylene, black

Strain Relief Clip: Stainless steel

Retainer Clip: Stainless steel

Screws: carbon steel, zin plated

Cable Gate: Polypropylene, black

Notes:

1. All part numbers are RoHS compliant.
- *For metal shell connectors only.
- ** Type 2 Retainer Clip.
- ***For metal shell or all plastic connectors

180° / 120° Exit

Shell Size	Cable Dia. Range (Ref.)	Dim. A	Kit No.* with Retainer Screws and Clips	Kit No.*** without Retainer Screws and Clips	Packaging
1	.075-.250	.785	5749914-1	-	bulk pkg.
			5749914-2	5750100-1	unit kit
			5749914-4**	-	
3	.180-.460	1.65	5749626-2	5750078-1	unit kit
4	.250-.550	2.285	5749916-2	-	bulk pkg.
			5749916-2	-	unit kit

Unshielded Cable Connectors and Clamp Kits

Unshielded Cable Clamp Kits with HDP-20 Connectors

Shell Size	Cable Dia. Range (Ref.)	Dim. A	Plug Kit Part No.	Receptacle Kit Part No.	Packaging
1	.075-.250	.785	749808-8	749812-7	100/pack
2	.170-.380	1.110	749808-9	-	
3	.180-.460	1.650	749808-7	1-749812-1	

Material and Finish

Cover: Polypropylene, black

Retention Screws: Steel, zinc plated

Retention Clips: Stainless steel

Cable Gate Plug: Polypropylene, black

Strain Relief Clip: Stainless Steel

Self Tapping Screws: Steel, zinc plated

Contacts: Brass (HDP Pins), phosphor bronze (all others), plated gold flash on the mating end, .000100 min. tin on the terminating end, all over .000030 min. nickel underplating

Housing: Polyester or nylon, glass-filled, UL rated 94V-0, black

Shell: Steel, plated .000200 min. tin over .000050 min. copper

Unshielded Cable Clamp Kits with HDE-20 All-Plastic Connectors

Shell Size	Cable Dia. Range (Ref.)	Dim. A	Plug Kit Part No.	Packaging
3	.180-.460	1.650	749809-9	100/pack

Notes:

1. All part numbers are RoHS compliant.

Unshielded Cable Clamps

Notes:

1. All parts are packaged unassembled.
 2. Each kit is comprised of two cover halves (F and M) and an assortment of cable support gates.
 3. Cable support gate must be used as shown for small diameter cable.
- *Each part is individually bulk packed for multiple kit orders.

Straight Exit Low Profile for Jacketed Cable

Shell Size	Dim. A	Dim. B: When Used on Plug	Dim. B: When Used on Receptacle	Cable Dia. (Max.)	Cable Clamp Kit No. (Individual)	Cable Clamp Kit No. (Bulk Packed)
1	.732	1.582	1.533	.330	745547-1	745547-2
2	1.056	1.582	1.533	.425	745553-1	-
3	1.604	1.700	1.651	.550	745560-1	-

90° Exit Low Profile for Jacketed Cable

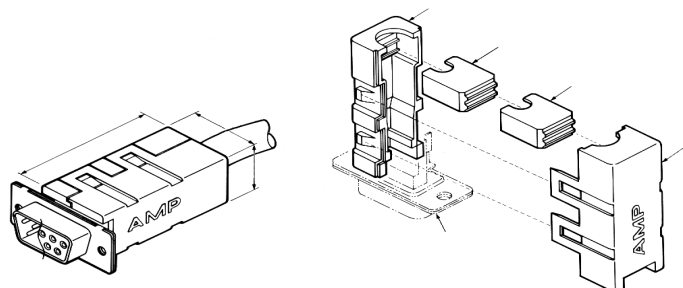
Shell Size	Dim. B: When Used on Plug	Dim. B: When Used on Receptacle	Cable Dia. (Max.)	Cable Clamp Kit No. (Individual)
1	1.290	1.241	.330	745550-1

Material

Black Thermoplastic

Notes:

1. All parts are packaged unassembled.
2. Each kit is comprised of a cover half and an assortment of cable support gate latches.
3. All part numbers are RoHS compliant.



Straight Exit Low Profile for Jacketed Clamps

AMPLIMITE Cable Connector Accessories

Cable Clamps, Contacts and Miscellaneous Hardware

Unshielded Cable Clamps

Slide-On Back Cover

Shell Size	Dim. A	Back Cover Kit No. Individual
1	.610	745530-1
2	.934	745530-2
3	1.482	745530-3
4	2.134	745530-4

Notes:

1. All parts are packaged unassembled.
2. Each slide-on back cover kit includes two identical cover halves which snap together over the connector.
3. All part numbers are RoHS compliant.

Box and Lid Straight/90° Exit Cable Clamp Kit with Male Screw Retainers

Shell Size	Cable Clamp Kit No.
1	5207908-1
2	5207908-4
3	5207908-7
4	1-5207908-0
5	1-5207908-3

Notes:

1. All parts are packaged unassembled.
2. Each kit is comprised of a cable clamp and male screw retainer hardware. Male screw retainers are also available in kit form.
3. All part numbers are RoHS compliant.

Material and Finish

Cable Clamp Housing: Thermoplastic, black with textured finish

Gates: Thermoplastic, black

Flat Head Screws: Steel, black, zinc plated

Male Screw: Steel, zinc plated yellow chromate

Retaining Clip: Stainless steel

Box and Lid Straight/90° Exit

Shell Size	Dim. A	Dim. B	Cable Dia. Max. (Ref.)		Cable Clamp Kit No.	
			Straight Cable Exit	90° Cable Exit	Individual	Bulk Packed*
1	.755	.630	.160	.160	207467-1	207467-2
2	1.078	.630	.320	.320	207470-1	-
3	1.620	.770	.390	.390	207345-1	207345-2
4	2.268	.770	.640	.405	207473-1	-
5	2.178	.880	.490	.490	207476-1	-

Notes:

1. All parts are packaged unassembled.
2. Cable diameter is adjustable by changing support gates. Use the flat side of cable support gates for discrete wire, and the semicircle side for jacketed cable.
3. Cable clamp assemblies are available in kits with male screw retainers.

*Each part is individually bulk packed for multiple kit orders.

Clam Shell Straight/45° Exit

Shell Size	Dim. A	Dim. B	Dim. C	Dim. D	Cable Dia. (Max.)	Short Cable Clamp: Individual	Standard Cable Clamp: Individual	Standard Cable Clamp: Bulk Packed
1	1.625	.750	.640	.640	.256	-	5205729-1	5205729-3
2	1.250	1.073	.600	.640	.320	5206393-1	-	-
	1.625	1.073	.640	.640	.320	-	5205730-1	5205730-3
3	1.250	1.615	.600	.640	.420	-	-	-
	1.625	1.615	.640	.640	.420	5206390-1	5205718-1	5205718-4
4	1.625	2.263	.640	.640	.490	-	5205731-1	-

Notes:

1. All parts are packaged unassembled.
2. Quantity of pan head screws supplied with cable clamp assembly varies with shell size.
3. All pan head screws have combination cross-recessed and slotted heads.
4. All parts are RoHS compliant.

*Each part is individually bulk packed for multiple assembly orders.

Material and Finish

Cable Clamp Housing: Thermoplastic, black with textured finish

Gates: Thermoplastic, black

Pan Head Screws, 6-32 Set Screw and 6-32 Square Nut: Steel, zinc plated (sizes 1 and 2 include self tapping screws only)

Unshielded Cable Clamps

Clam Shell Straight/45° Exit Cable Clamp Kits with Male Screw Retainers

Shell Size	Short Cable Clamp: Individual	Standard Cable Clamp: Individual	Standard Cable Clamp: Bulk Packed
1	-	5206478-1	-
2	-	5206478-2	-
3	1-5206478-2	5206478-3	2-5206478-2
4	-	5206478-4	-
5	-	5206478-5	-

Material and Finish

Cable Clamp Housing: Thermoplastic, black with textured finish

Gates: Thermoplastic, black

Pan Head Screws, 6-32 Set Screw and 6-32 Square Nut: Steel, zinc plated (sizes 1 and 2 include self tapping screws only)

Male Screw: Steel, zinc plated yellow chromate

Retaining Clip: Stainless steel

Notes:

1. All parts are packaged unassembled.
2. Each kit is comprised of a cable clamp and male screw retainer hardware. Male screw retainers are also available in kit form.
3. All parts are RoHS compliant.

*Each part is individually bulk packed for multiple assembly orders.

AMPLIMITE Cable Connector Accessories

Cable Clamps, Contacts and Miscellaneous Hardware

Unshielded Cable Clamps

Cable Clamp Kits with Grommets

Straight Exit Dataphone

Shell Size	Dim. A	Dim. B	Max. Cable Dia. (without gate)	Max. Cable Dia. (with gate)	Cable Gate Identification*	Threaded Size	Cable Clamp Kit No.,
2	1.575	1.312	.400	.200	2A	4-40	5745122-2
				.260	2B		
				.320	2C		

Notes:

1. All parts are packaged unassembled.
2. Cable diameter is adjustable by changing cable support gates.

*Molded-in identification is provided on cable support gates to facilitate proper selection with regard to shell size and maximum acceptable cable diameter.

Cable Clamp Kits with Grommets

Shell Size	Dim. A	Dim. B	Dim. C	Dim. D	Cable O.D. Range	No. of Grommets Per Set	Kit Numbers
1	1.215	1.910	.570	.630	.185-.320	4	5748678-1
2	1.545	1.910	.620	.620	.185-.320	4	5748678-2
3	2.090	1.920	.680	.640	.255-.470	6	5748678-3
4	2.738	1.920	.800	.620	.255-.470	6	5748678-4
5	2.644	1.920	.900	.730	.255-.470	6	5748678-5

Notes:

1. All parts are packaged unassembled.
2. Jackscrews must be purchased separately.
3. Shielded cable clamps will not accept connector housings with clinch nuts.
4. All part numbers are RoHS compliant.

Straight/90° Exit

Shell Size	Cable Clamp Configuration	Dim. A	Dim. B	Cable Diameter	Cable Clamp Kit No. Individual
4	Straight	2.424	1.820	.750	745311-1
	90° Exit	2.638	1.596		

Notes:

1. All parts are packaged unassembled.
2. Each cable clamp assembly includes a yoke, male panel, female panel, and four cable support gates. The cable diameter is adjustable by changing the cable support gates.
3. All part numbers are RoHS compliant.

Shielded Cable Clamps

Material and Finish

Shield: Zinc alloy, plated nickel over copper

4-40 Pan Head Screws & Latch Screws (90° Exit Only): Steel, zinc plated

One Piece Slide Latch (90° Exit Only): Stainless steel

Material

Black thermoplastic

Material and Finish

Cable Clamp Housing: Nylon, black

4-40 Fillister Head Screws & Hex Nuts: Steel, clear zinc plated

4-40 Mounting Screws: Steel, zinc plated

Jackscrews: Steel, black zinc plated

Straight Exit RFI/EMI Die Cast Shield For Jacketed Cable (Two Piece)

Shell Size	No. of Position	ID Letter	Cable Dia. W/ Ferrule	Part No.	Grommet Kit
2	15	E	.260-.300	5745919-3	-
		H	.190-.375	5745919-2	747746-1*
		K	.190-.430	5745919-1	-

Notes:

1. All parts are packaged unassembled.
2. Each kit comprised of a two-piece shield with 2 pan head screws.
3. All part numbers are RoHS compliant.

90° Exit RFI/EMI Die Cast Shields for Jacketed Cable (Two Piece)

Shell Size (No. of Positions)	Dim. A	Cable Dia. w/ Ferrule	Shield with Slide Latch Kit No. (see note 2)	Shield without Slide Latch Kit No. (see note 3)	Grommet Kit
2(15)	2.310	.185-.225	5745652-4	-	-
		.260-.300	5745652-3	-	-
		.190-.375	5745652-2*	-	747746-1
		.190-.430	5745652-1	-	-
3(25)	2.850	.240-.280	5745653-5	-	-
		.315-.355	5745653-4	-	-
		.190-.430	5745653-3	5747194-3	-
		.440-.480	5745653-2	-	-
		.380-.530	5745653-1*	-	747973-1

Notes:

1. All parts are packaged unassembled.
2. Each kit is comprised of a two-piece shield with three pan head screws and a slide latch with two 4-40 slide latch screws.
3. Each kit is comprised of a two-piece shield with three pan head screws.
4. All part numbers are RoHS compliant.

*Cable Dia. With Grommet Kit: Size 2= .185-.320, Size 3= .255-.470

AMPLIMITE Cable Connector Accessories

Cable Clamps, Contacts and Miscellaneous Hardware

Shielded Cable Clamps

Shell Size	Dim. A	Dim. B	Dim. C	Dim. D	Cable O.D. (Max.)	Die Cast Shield Kit Numbers	Metal-Plated Plastic Shield Kit Numbers	Grommet Sets		
								Cable O.D. Range	No. of Grommets Per Set	Part Number
1	1.215	1.910	.550**	.620**	.200	5745171-2	5745854-5	-	-	-
					.250	5745171-1	5745854-3	-	-	-
					.370	5745171-5	5745854-1	.185-.320	4	747746-1
2	1.545	1.910	.620	.620	.225	5745172-3	5747099-7	-	-	-
					.300	5745172-2	5747099-5	-	-	-
					.375	5745172-1	5747099-3	.185-.320	4	747746-1
					.430	1-5745172-3	5747099-1	-	-	-
					.280	5745173-5	5745833-9	-	-	-
3	2.090	1.920	.680	.620**	.350	5745173-4	5745833-7	-	-	-
					.430	5745173-3	5745833-5	-	-	-
					.480	5745173-2	-	-	-	-
					.530	5745173-1	5745833-1	.255-.470	6	747973-1
					.350	5745174-5	-	-	-	-
4	2.738	1.920	.800	.620	.425	5745174-4	5747100-7	-	-	-
					.500	5745174-3	-	-	-	-
					.530	2-5745174-7	-	.255-.470	6	747973-1
					.575	5745174-2	5747100-3	-	-	-
					.650	5745174-1	5747100-1	-	-	-
					.375	5745175-6	-	-	-	-
5	2.644	1.920	.900	.730	.450	5745175-5	-	-	-	-
					.525	5745175-4	-	.255-.470	6	747973-1
					.600	5745175-3	-	-	-	-
					.675	5745175-2	-	-	-	-
					.750	5745175-1	5747098-1	-	-	-

Material and Finish

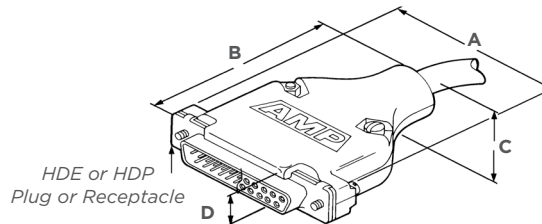
Die Cast Shield: Zinc alloy, plated bright nickel over bright copper

Metal-Plated Plastic Shield: Thermoplastic, plated nickel over copper

4-40 Fillister Head Screws and Hex Nuts: Steel, zinc plated

4-40 Mounting Screws: Steel, zinc plated

Jackscrews: Stainless steel, passivated



Cable Clamp Kits with Grommets

Shell Size	Dim. A	Dim. B	Dim. C	Dim. D	Cable O.D. (Max.)	No. of Grommets Per Set	Die Cast Shield with Grommets	Metal-Plated Plastic Shield with Grommets
1	1.215	1.910	.550**	.620**	.185-.320	4	5748676-1	5748677-1
2	1.545	1.910	.620	.620	.185-.320	4	5748676-2	5748677-2
3	2.090	1.920	.680	.620**	.255-.470	6	5748676-3	5748677-3
4	2.738	1.920	.800	.620	.255-.470	6	5748676-4	5748677-4
5	2.644	1.920	.900	.730	.255-.470	6	5748676-5	5748677-5

Notes:

1. All parts are packaged unassembled.
2. Jackscrews must be purchased separately.

3. Shielded cable clamps will not accept connector housings with clinch nuts.

3. All part numbers are RoHS compliant.

**The following dimensions apply to metal-plated plastic cable clamps.

Size 1: C= .570, D= .630

Size 3: D= .640

AMPLIMITE Cable Connector Accessories

Cable Clamps, Contacts and Miscellaneous Hardware

Shielded Cable Clamps

When using these Shield Kits						Use these Ferrules				
						Crimp Ferrule No. and Tooling No. **				
Shell Size	Cable Dia. (Max.)	Straight Exit Shield: Die Cast	Straight Exit Shield: Metal-Plated Plastic	90° Exit Die Cast Shield: W/ Slide Latch	90° Exit Die Cast Shield: W/O Slide Latch	Split-Ring*Ferrule No.	Inner	Outer	Die Set For Hand Tool 543344-1	Applicator Die Set
1	.200	5745171-2	5745854-5	-	-	745508-2	-	-	-	-
	.240	5745171-5	5745854-1	-	-	-	7-745129-8	3-745130-8	543013-2	813809-1
	.250	5745171-1	5745854-3	-	-	745508-3	-	-	-	-
	.280	5745171-5	5745854-1	-	-	-	7-745129-9	4-745130-5	1-543013-7	-
	.370	5745171-5	5745854-1	-	-	745508-6	6-745129-9	4-745130-0	543013-6	-
2	.225	5745172-3	5747099-7	5745652-4	-	745508-3	-	-	-	-
	.240	5745172-1	5747099-3	5745652-2	-	-	7-745129-8	3-745130-8	543013-2	813809-1
	.240	1-5745172-3	5747099-1	5745652-1	-	-	-	3-745130-8	543013-3	813809-1
		5745919-1								
	.280	1-5745172-3	5747099-1	5745652-1	-	-	7-745129-8	4-745130-5	1-543013-6	-
		5745919-1								
	.300	5745172-2	5747099-5	5745652-3	-	745508-4	-	-	-	-
		5745919-3								
	.350	1-5745172-3	5747099-1	5745652-1	-	-	7-745129-2	3-745130-9	543013-4	-
		5745919-1								
3	.365	5745172-1	5747099-3	5745652-2	-	-	6-745129-9	4-745130-0	543013-6	-
	.375	5745172-1	5747099-3	5745652-2	-	745508-6	-	-	-	-
		5745919-2								
	.430	1-5745172-3	5747099-1	5745652-1	-	745508-1	7-745129-1	4-745130-1	543013-7	-
		5745919-1								
	.240	5745173-3	5745833-5	5745653-3	-	-	-	3-745130-8	543013-3	813809-1
	.280	5745173-5	5745833-9	5745653-5	-	745508-4	-	-	-	-
	.280	5745173-3	5745833-5	5745653-3	-	-	7-745129-8	4-745130-5	1-543013-6	-
4	.350	5745173-4	5745833-7	5745653-4	-	745508-5	-	-	-	-
	.350	5745173-3	5745833-5	5745653-3	5747194-3	-	7-745129-2	3-745130-9	543013-4	-
	.430	5745173-3	5745833-5	5745653-3	5747194-3	745508-1	7-745129-1	4-745130-1	543013-7	-
	.430	5745173-1	5745833-1	5745653-1	-	-	7-745129-5	4-745130-1	543013-8	-
	.480	5745173-2	-	5745653-2	-	745508-8	-	-	-	-
	.530	5745173-1	5745833-1	5745653-1	-	745508-9	7-745129-4	4-745130-2	1-543013-0	-
	.240	5745174-4	5747100-7	-	-	-	-	3-745130-8	543013-3	813809-1
	.280	5745174-4	5747100-7	-	-	-	7-745129-8	4-745130-5	1-543013-6	-
5	.350	5745174-5	-	-	-	745508-5	-	-	-	-
	.350	5745174-4	5747100-7	-	-	-	7-745129-2	3-745130-9	543013-4	-
	.430	5745174-4	5747100-7	-	-	745508-1	7-745129-1	4-745130-1	543013-7	-
	.500	5745174-3	-	-	-	745508-8	-	-	-	-
	.525	5745174-1	5747100-1	-	-	-	7-745129-6	4-745130-2	1-543013-1	-
	.575	5745174-2	5747100-3	-	-	1-745508-0	-	-	-	-
	.650	5745174-1	5747100-1	-	-	1-745508-1	-	-	-	-
	.240	5745175-6	-	-	-	-	7-745129-0	3-745130-8	543013-2	813809-1
5	.365	5745175-6	-	-	-	-	6-745129-9	4-745130-0	543013-6	-
	.375	5745175-6	-	-	-	745508-6	-	-	-	-
	.430	5745175-4	-	-	-	-	7-745129-5	4-745130-1	543013-8	-
	.450	5745175-5	-	-	-	745508-7	-	-	-	-
	.525	5745175-4	-	-	-	745508-9	-	-	-	-
	.530	5745175-4	-	-	-	-	7-745129-4	4-745130-2	1-543013-0	-
	.600	5745175-3	-	-	-	1-745508-0	-	-	-	-
	.650	5745175-1	5747098-1	-	-	-	1-745508-1	4-745130-3	1-543013-4	-
	.675	5745175-2	-	-	-	1-745508-1	-	-	-	-
	.750	5745175-1	5747098-1	-	-	1-745508-2	-	-	-	-

Notes:

1. All part numbers are RoHS compliant.

*For split-ring ferrules, Min. O.D. is .040 smaller than Max. O.D.

**For inner and outer ferrules, Min. O.D. is .050 smaller than Max. O.D. At the Max. O.D., the Min. insulation thickness is .060.

Material and Finish

Outer Ferrule: Copper, plated .000100 [0.00254] min. tin

Inner Ferrule: .023 [0.58] thick brass, plated .000050 [0.00127] tin over copper

AMPLIMITE Cable Connector Accessories

Cable Clamps, Contacts and Miscellaneous Hardware

Hardware

		Male Screw Retainer Kit No.		
Male Screw Finish	Thread Size	Dim. A	Individual	Bulk Packed*
Yellow Chromate	4-40	.220	5205980-1	5205980-3
		.200	-	-
Clear Chromate	M3 (Metric)	.225	5207871-1	-
		.220	5205980-4	5205980-5
Clear Chromate	4-40	.220	5205980-4	5205980-5
		.200	5745136-3	5745136-4

Material and Finish

Commoning Strip (for HDF-20 Plugs, Size 20 Pin Contacts): Brass, .004 [.10] thick, tin plated

Part Number: 206918-2 (continuous strip)

Male Screw Retainers for Metal-Shell Connectors (HDE and HDP):

Male Screw: Steel, zinc plated clear or yellow chromate

Retaining Clip: .012 [.31] stainless steel

Notes:

1. All parts are packaged unassembled.
2. Each kit is comprised of two male screws and two retaining clips. Male screw retainers are also furnished as part of cable clamp kits.
3. Male screw retainers mate with female screwlocks, with HDF metal-shell connectors featuring 4-40 threaded inserts and with HD metal-shell board mount connectors featuring 4-40 threaded inserts or female screwlocks.
4. Retaining clip must be assembled onto connector flanges with threaded hole toward wire side of connector.
5. All screws have straight slotted heads except where noted.
6. Retaining clip must be assembled onto connector flanges with notched side of retainer toward mating side of connector.
7. All part numbers are RoHS compliant.

*Each part is individually bulk packed for multiple kit orders.

Female Screwlocks for Metal-Shell and All-Plastic Connectors (HDE, HDF, HDP)

Connector Used With	Style	Dim. C	Thread Size	Finish	Individual	Bulk Packed
HD All-Plastic Right Angle Plugs and Receptacles	(A)	.250	4-40	Yellow Chromate	5207952-1	-
				Clear Chromate	5207952-3	-
HDE Metal-Shell or All-Plastic Plugs and Receptacles	(B)	.250	4-40	Yellow Chromate	5745563-1	5745563-1
				Clear Chromate	5745563-3	5745563-4
HDP or HDF Metal-Shell or All-Plastic Plugs and Receptacles	(B)	.312	4-40	Yellow Chromate	5205817-1	5205817-2
				Clear Chromate	5205817-3	5205817-4
			M3 (Metric)	Yellow Chromate	5207872-1	-
				Clear Chromate	5207872-3	-
HD or HDF All-Plastic Plugs and Receptacles with Integral Standoffs	(B)	.560	4-40	Yellow Chromate	5207719-1	5207719-2
				Clear Chromate	5207719-3	5207719-4
			2-56	Clear Chromate	5747223-3	-

Material and Finish

All Parts: Cold rolled steel, zinc plated clear or yellow chromate

Notes:

1. All parts are packaged unassembled.
2. Each female screwlock kit is comprised of two assemblies.
3. One or two flat washers may be required for panel thickness less than .060. Female screwlocks are not recommended for panel thicknesses greater than .060.
4. Female screwlocks with 2-56 thread size are to be used with cable clamps with mounting flanges. Female screwlocks with 4-40 and M3 (Metric) thread sizes can be used with all other cable clamps.
5. Female screwlocks mate with male screw retainers.
6. Short female screwlocks cannot be used with HDF connectors.
7. All part numbers are RoHS compliant.

Screwlocks

Connector Used With	Style	Dim. C	Thread Size	Finish	Individual	Bulk Packed
HD All-Plastic Right Angle Plugs and Receptacles	(A)	.250	4-40	Yellow Chromate	5207953-2	-
				Clear Chromate	5207953-3	-
HDE Metal-Shell or All-Plastic Plugs and Receptacles	(B)	.312	4-40	Clear Chromate	-	5205818-3 ^{xx}
				Yellow Chromate	5748558-3	5748558-4
			M2.6** (Metric)	Clear Chromate	5749765-3	-
			M3*** (Metric)	Clear Chromate	5747404-3	-
	(Special)	.185	4-40	Clear Chromate	5747877-3	-

Notes:

1. All parts are RoHS compliant.
2. Part No. 5748270-2, dimensions .158.

Each part is individually bulk packed for multiple kit orders.

**With captivated star washer. No additional hardware included.

**M2.6 is the female thread size. The male thread size is 4-40.

***M3 is the female thread vsize. The male thread is 4-40.

Size	Dim. A	Two Per Package	Bulk Packed*
1-4	.540	745779-2	745779-3
5	.650	745779-5	-

Material and Finish

Stainless Steel

Thread Size	Screw Length: L	Packaging	Screw Style	Part No.
4-40	.415	Unit*	1	5206942-1
		Bulk		5206942-2
2-56	.547	Unit	2	5748078-1**

Material and Finish

Screw, Washers and Hex Nuts: Cold rolled steel, zinc plated clear chromate

Clip: Stainless steel

Notes:

1. These dimensions must be maintained to assure satisfactory operation of the spring latches.
2. Two-piece spring latches mate with latching blocks.
3. All part numbers are RoHS compliant.

*Two piece spring latches are individually bulk packed for multiple part orders.

*Two assemblies per package.

**Designed for cable clamps with mounting ears. No flat washers included.

AMPLIMITE Cable Connector Accessories

Cable Clamps, Contacts and Miscellaneous Hardware

Hardware

Material and Finish

4-40 Screws, Washers and Hex Nuts:
Steel, zinc plated
yellow chromate

2-56 Screws, Washers and Hex Nuts:
Steel, zinc plated
clear chromate

Slide Latch:
Stainless steel

Notes:

- All parts are packaged unassembled.
- Each kit is comprised of a slide latch and two screws, flat washers (if required), lock washers and hex nuts.
- Style I slide latches are also furnished as part of cable clamp kits.
- Style I slide latches can be used with cable clamps that do not extend beyond the front flange of the connector or on connectors without cable clamps.
- Style II slide latches can be used with any cable clamp that has the mounting ear configuration.
- Style III slide latches can be used on connectors without cable clamps or with cable clamps that do not have the mounting ear configuration.
- Slide latches mate with locking posts.
- No nuts, washers, or lockwashers.
- All parts are RoHS compliant.

Shell Size	Style	Dim. A.	Dim. B.	Dim. C	Slide Latch Kit No.	
					Individual	Slide Latch Only
2	II	1.725	.470	.547	5745583-1	749027-1
	III	1.725	.470	.415	5745583-5	749027-1
		1.725	.470	.450	5745583-7	-
3	II	2.265	.470	.547	5745584-1	749996-1
	III	2.265	.470	.415	5745584-3	749996-1
5	III	2.819	.575	.415	5745578-3	74997-1

Locking Post Kit No.					
Thread Size	Locking Post Finish	Dim. A	Dim. B	Individual	Bulk Packed*
4-40	Yellow Chromate	.410	.110	5206514-1	5206514-3
	Clear Chromate	.410	.110	5206514-4	-
	Yellow Chromate	.560	.110	5206514-6	5206514-7
2-56	Yellow Chromate	.615	.172	5747242-1	-

Material and Finish

All Parts: Cold rolled steel, zinc plated clear or yellow chromate

***Each part is individually bulk packed for multiple kit orders**
All part numbers are RoHS Compliant

Latching Blocks with Threaded Holes

Shell (No. of Contact Pos.)	Dim. A	Dim. B	Panel Thickness	Thread Size	Rear Panel Latching Block Part No.		Front Panel Latching Block Part No.	
					Individual	Bulk Packed*	Individual	Bulk Packed*
1 thru 4 (9 thru 37)	.400	.190	.060	M3	-	745403-2	-	-
				4-40	745403-8	-	-	-
	.400	.220	.030	4-40	747717-2	-	-	-
				M3	-	-	5745007-1	-
				4-40	-	-	208101-1	208101-2
5 (50)	.530	.250	-	4-40	-	-	208101-8	208101-9
				4-40	-	-	1-208101-1	-

Material and Finish

Latching Blocks: Zinc

Pan Head Screws:
Steel, zinc plated

Latching Blocks with Slot Recess and Thru Hole

Shell (No. of Contact Pos.)	Dim. A	Dim. B	Panel Thickness	Rear Panel Latching Block Part No.		Front Panel Latching Block Part No.	
				Individual	Bulk Packed*	Individual	
1 thru 4 (9 thru 37)	.400	.160	.090	747080-2	-	-	
		.190	.060	745245-2	745245-3	-	
		.250	-	-	-	745286-2	
5 (50)	.530	.190	.060	-	-	745245-5	

Material and Finish

Latching Blocks: Zinc

Notes:

- Mounting screws and nuts are to be supplied by customer.
 - These latching blocks allow mounting screws to be installed thru the front of the block and to be screwed into the bracket of a right-angle connector, a fixed insert in a connector mounting flange, or a nut behind the connector mounting flange.
 - Latching blocks mate with spring latches.
 - All part numbers are RoHS compliant.
- *Bulk packed for multiple part orders.
**Individual kits contain two latching blocks per package

Latching Blocks with Slot Recess and Thru Hole

Shell (No. of Contact Pos.)	Dim. A	Dim. B	Dim. C	Gasket Part No.
1 (9)	.746	.984	1.220	5747024-3
2 (15)	1.074	1.312	1.555	5747025-3
3 (25)	1.614	1.852	2.100	745776-4
4 (37)	2.266	2.500	2.730	745777-4

Notes:

- All parts are RoHS compliant.

Material and Finish

Standoff Bushings
Material: Aluminum

Keying Plug Material:
Polyphenylene oxide

EMI/RFI Gaskets Material and Finish:
Brass, .006 thick; bright tin plated

AMPLIMITE Cable Connector Accessories

Cable Clamps, Contacts and Miscellaneous Hardware

Resources:

Product Specification	Application Specifications	Instruction Sheets			
108-40032	114-40002	408-6621	408-6658	408-6769	408-7785
	114-40003	408-9544	408-7555	408-9315	408-9131
	114-1000	408-9544	408-7837	408-9318	408-9128
	114-40030	408-7837	408-6609	408-6551	

TE Technical Support Center

USA:	1.800.522.6752
Canada:	1.905.475.6222
Mexico:	52.0.55.1106.0800
Latin/S. America:	54.0.11.4733.2200
Germany:	49.0.6251.133.1999
UK:	44.0.800.267666
France:	33.0.1.3420.8686
Netherlands:	31.0.73.6246.999
China:	86.0.400.820.6015

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