

DC charging cable - EV-T1G2CC-DC200A-5,0M1ASBK11



1051695

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CHARX connect, DC charging cable with vehicle charging connector and open cable end, with additional CCS type 1 charging connector holder, for charging electric vehicles (EV) with direct current (DC), for installation at charging stations for electromobility (EVSE), Combined Charging System, CCS type 1, SAE J1772, IEC 62196-3, 200 A / 1000 V (DC), HPC-Line, "PHOENIX CONTACT" logo, cable: 5 m, black, straight

Product Description

DC charging cable with Vehicle Connector and open cable end for fast charging of electric vehicles (EV) with direct current (DC) via CCS type 1 Vehicle Inlets, for installation at charging stations for E-Mobility (EVSE)

Your advantages

- Complete product range
- The right charging cable for every application, from the carport to the charging park
- Convenient handling due to the ergonomic design
- Available with your logo on request – for consistent branding of your charging station
- Developed and produced in accordance with the IATF 16949 automotive standard and ISO 9001
- Safe against overheating with temperature measurement at every DC power contact

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Technical Data

Product properties

Product type	DC charging cable
Application	for charging electric vehicles (EV) with direct current (DC)
	for installation at charging stations for electromobility (EVSE)
	Combined Charging System
Type	DC charging cable
	with vehicle charging connector and open cable end
	with additional CCS type 1 charging connector holder
Affixed logo	"PHOENIX CONTACT" logo
Charging standard	CCS type 1
Charging mode	Mode 4
	DC level 2

Electrical properties

Type of signal transmission	Pulse width modulation with modulated Powerline communication according to ISO/IEC 15118 / DIN SPEC 70121
Type of charging current	DC
Note on the connection method	Crimp connection, cannot be disconnected
Coding	480 Ω (Lever actuated)
	150 Ω (Lever not actuated)
Maximum capacity	200 kW
Temperature monitoring	2x Pt 1000

Power contact

Number	3 (PE, DC+, DC-)
Rated voltage	1000 V DC
Rated current	200 A (up to 40 °C)

Signal contact

Number	2 (CP, CS)
Rated voltage	30 V AC
Rated current	2 A

Temperature sensors

Sensor type	Pt 1000
Standards/regulations	DIN EN 60751
Recommended measured current	1 mA (1 V at 0 °C)
Tolerance at the sensor with the recommended measured current	± 1 K
Temperature range	-50 °C ... 130 °C
Temperature coefficient (TCR)	3850 ppm/K
Long-term stability (max. R0-Drift)	0.06 % (after 1000 hours at 130 °C)
Shutdown temperature	90 °C equivalent to a Pt 1000 value of 1346.5 Ω

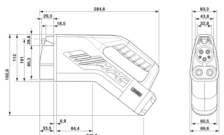
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Dimensions

Dimensional drawing	
Width	69.6 mm (Vehicle charging connector)
Height	192.6 mm (Vehicle charging connector)
Depth	284.6 mm (Vehicle charging connector)

Cable / line

Cable length	5 m ±45 mm
Wiring standards/regulations	UL 62 FFSO7.E343212
Cable weight	max. 1900 kg/km
Type of cable	straight
Cable structure	2 x 1 AWG + 1 x 3 AWG + 3 x 2 x 18 AWG
External cable diameter	35.3 mm ±0.5 mm
Outer sheath, material	TPE
External sheath, color	black
Conductor resistance	≤ 0.00044 Ω/m (based on a power core, at an ambient temperature of 20°C)

Cable structure

Stripping length of the sheath	180 mm ±10 mm
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Mechanical properties

Design

Design	HPC-Line
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Mechanical data

Insertion force	< 75 N
Withdrawal force	< 75 N

Design

Design	HPC-Line
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Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-30 °C ... 40 °C max. 55 °C (Current reduction required, observe the DC contact temperature limit value of 90°C)
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Altitude	5000 m (above sea level)

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Standards and regulations

Standards

Standards/regulations	SAE J1772
	IEC 62196-3

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