

1621586
<https://www.phoenixcontact.com/us/products/1621586>

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CHARX connect, Mobile AC charging cable with vehicle connector and infrastructure plug, with protective cap, Type 2, IEC 62196-2, cable: 10 m, straight, NOTE: The capacitance between CP and PE exceeds the normative guideline value of 1500 pF.



Product description

Mobile AC charging cable with vehicle charging connector and infrastructure charging plug for charging electric vehicles (EV) with alternating current (AC) via type 2 vehicle charging inlets, compatible with type 2 infrastructure charging sockets at charging stations for e-mobility (EVSE)

Your advantages

- Consistent design of all Phoenix Contact Vehicle Connectors and Infrastructure Plugs
- Silver-plated surface of the power and signal contacts
- Developed and produced in accordance with the IATF 16949 automotive standard and ISO 9001
- Convenient handling, thanks to the ergonomic handle and additional, rubber grip components

Commercial data

Item number	1621586
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	XWBAEC
GTIN	4046356939775
Weight per piece (including packing)	6,143 g
Weight per piece (excluding packing)	6,068 g
Country of origin	DE

EV-T2M3PC-3AC32A-10M6,0ESBK00 - AC charging cable



1621586

<https://www.phoenixcontact.com/us/products/1621586>

Technical data

Notes

General	NOTE: The capacitance between CP and PE exceeds the normative guideline value of 1500 pF.
General	Signal transmission may be adversely affected (IEC 61851-1, Annex A, Table A.2, Note c).
General	Interference-free V2G communication in accordance with ISO 15118 is not guaranteed for cable lengths over 10 m (ISO IEC 15118-3, A.11.3, Table A.11).
General	Cable management is required in certain regions if the cable length exceeds 5.0 m (Switzerland) or 7.5 m (USA) (IEC 61851-1).

Product properties

Product type	AC charging cable
Product family	CHARX connect
Application	Mobile AC charging cable with vehicle connector and infrastructure plug, with protective cap
Charging mode	Mode 3, Case B
Charging standard	Type 2

Electrical properties

Type of charging current	AC 3-phase
Charging power	26.6 kW
Charging current	32 A

Cable/line

Cable length	10 m
Wiring standards/regulations	prEN 50620/DIN EN 50620
Wiring certifications	VDE
Cable weight	max. 505.00 kg/km
Cable type	Class 5
Cable type	straight
Cable structure	5 x 6.0 mm ² + 1 x 0.5 mm ²
External cable diameter	17.00 mm ±0.4 mm
Outer sheath, material	TPE-U
Cable resistance	≤ 0.0033 Ω/m (based on a power core, at an ambient temperature of 20°C)
Bending radius	min. 127.5 mm (7.5x diameter)
Cable length	10 m
External cable diameter	17.00 mm ±0.4 mm
Cable type	Class 5
Wiring certifications	VDE
Wiring standards/regulations	prEN 50620/DIN EN 50620
Cable resistance	≤ 0.0033 Ω/m (based on a power core, at an ambient

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1621586
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	temperature of 20°C)
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Standards and regulations

Standards	
Standards/regulations	IEC 62196-2

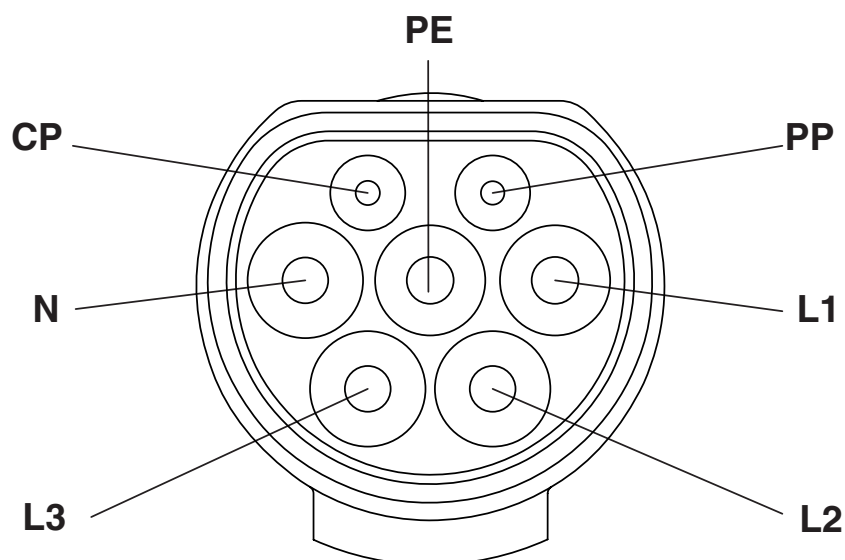
EV-T2M3PC-3AC32A-10M6,0ESBK00 - AC charging cable

1621586

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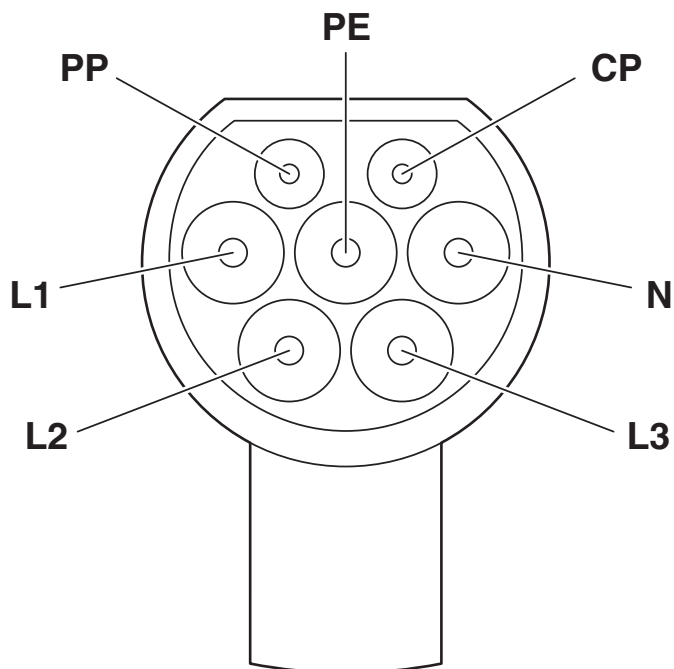
Drawings

Schematic diagram



Pin assignment of the Vehicle Connector

Connection diagram



Pin assignment of Infrastructure Plug

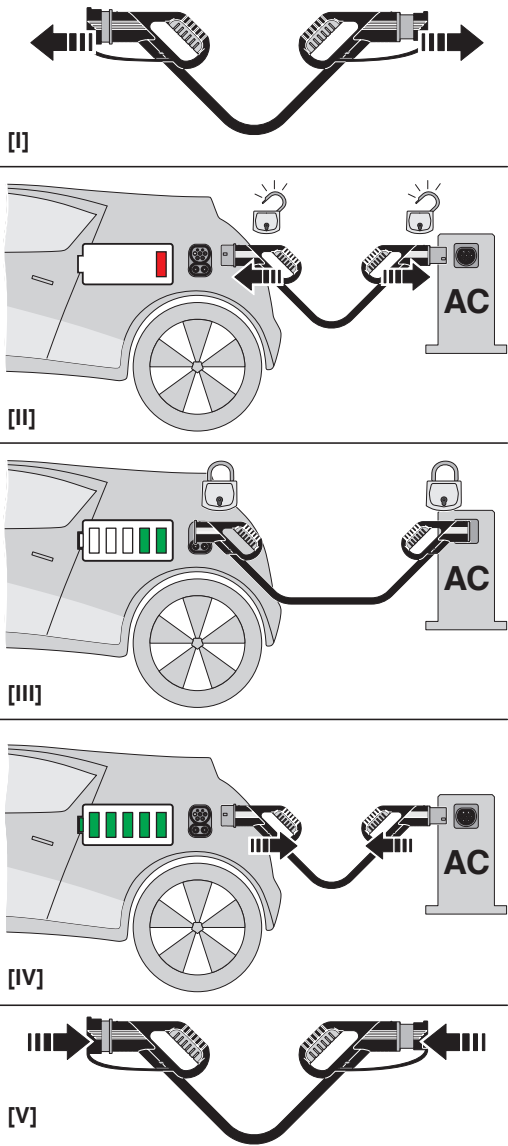
EV-T2M3PC-3AC32A-10M6,0ESBK00 - AC charging cable



1621586

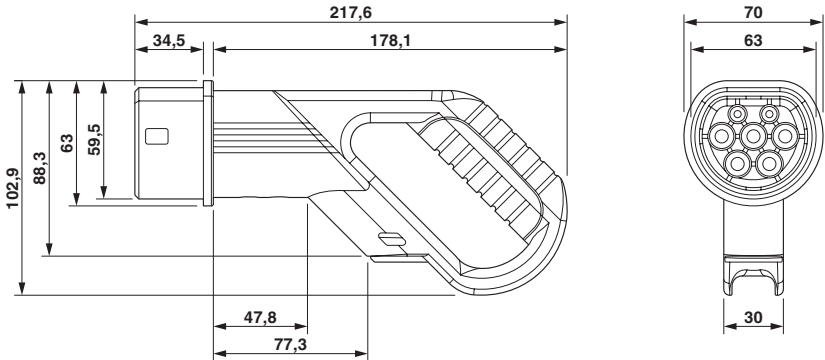
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Schematic diagram



Operating instructions

Dimensional drawing



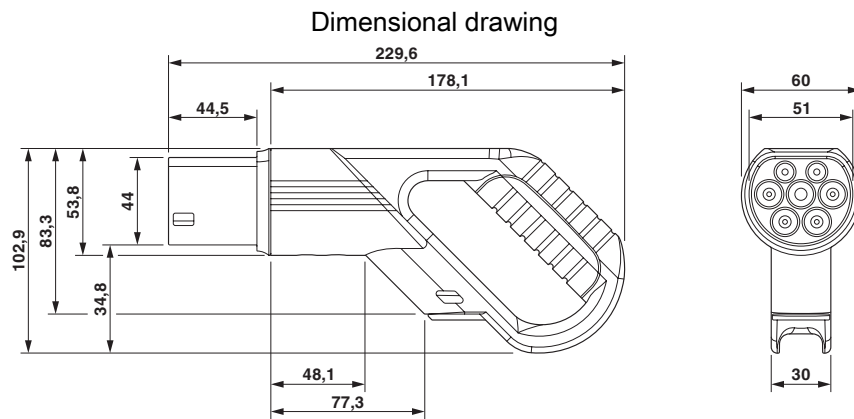
Vehicle connector

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Infrastructure plug

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1621586
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Classifications

UNSPSC

UNSPSC 21.0	39121522
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1621586
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Environmental product compliance

China RoHS	
Environment friendly use period (EFUP)	<div>EFUP-10</div> <div>An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.</div>
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

EV-T2M3PC-3AC32A-10M6,0ESBK00 - AC charging cable



1621586

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Accessories

EV-T2AC-PARK - Charging connector holder

1624148

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CHARX connect, Charging connector holder, Accessories, for vehicle charging connectors on charging stations (EVSE), Type 2, IEC 62196-2, Front mounting, housing: black, PHOENIX CONTACT logo

EV-T2M3SE24-3AC32A-0,7M6,0E10 - Infrastructure charging socket

1405216

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CHARX connect, Infrastructure charging socket, for charging electric vehicles (EV) with alternating current (AC), Type 2, IEC 62196-2, 32 A / 480 V (AC), Single wires, length: 0.7 m, locking actuator: 24 V, 4-pos., Rear panel mounting, PHOENIX CONTACT logo

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