

EV-T2M3P-1AC20A-4,0M2,5EHBK00 - AC charging cable



1623321

<https://www.phoenixcontact.com/us/products/1623321>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



CHARX connect, Type 2, cable: 4 m, spiraled, IEC 62196-2, AC charging cable with infrastructure plug, open cable end, with protective cap

Product description

AC charging cable with Infrastructure Plug and open cable end for charging electric vehicles (EV) with alternating current (AC), compatible with type 2 Infrastructure Socket Outlets 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	1623321
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	XWBABC
GTIN	4055626141138
Weight per piece (including packing)	2,200 g
Weight per piece (excluding packing)	2,200 g
Country of origin	DE

EV-T2M3P-1AC20A-4,0M2,5EHBK00 - AC charging cable



1623321

<https://www.phoenixcontact.com/us/products/1623321>

Technical data

Product properties

Product type	AC charging cable
Product family	CHARX connect
Charging standard	Type 2
Charging mode	Mode 3

Electrical properties

Charging power and current (AC charging, 1-phase)

Type of charging current	AC single-phase
Charging current	20 A AC (1-phase)
Charging power	5 kW

Cable/line

Cable length	4 m
Wiring standards/regulations	prEN 50620/DIN EN 50620
Wiring certifications	VDE
Cable type	Class 5
Cable type	spiraled
Cable structure	3 x 2.5 mm ² + 1 x 0.5 mm ²
External cable diameter	10.20 mm ±0.3 mm
Outer sheath, material	TPE-U
Stripping length of the sheath	45 mm ±10 mm
Block length	0.68 m ±10 %
Coil diameter	45 mm ±10 %
Effective length	max. 4 m ±5 %
Stripping length	45 mm ±10 mm
Cable resistance	≤ 0.00798 Ω/m (based on a power core, at an ambient temperature of 20°C)
Bending radius	min. 153 mm (15x diameter)
Cable length	4 m
Stripping length	45 mm ±10 mm
External cable diameter	10.20 mm ±0.3 mm
Cable type	Class 5
Wiring certifications	VDE
Wiring standards/regulations	prEN 50620/DIN EN 50620
Cable resistance	≤ 0.00798 Ω/m (based on a power core, at an ambient temperature of 20°C)

Standards and regulations

Standards

Standards/regulations	IEC 62196-2
-----------------------	-------------

EV-T2M3P-1AC20A-4,0M2,5EHBK00 - AC charging cable

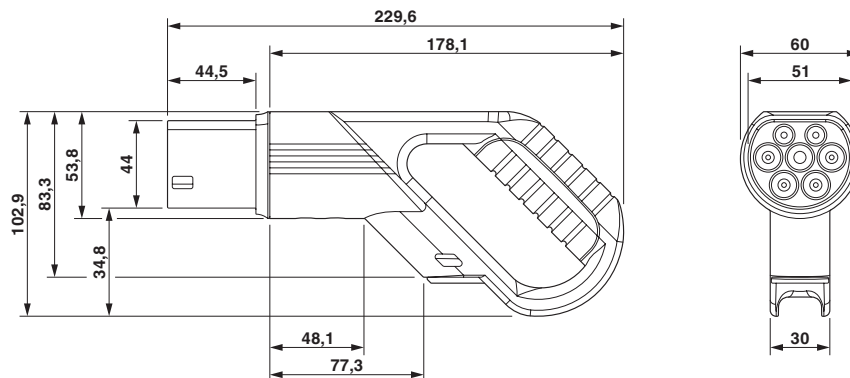


1623321

<https://www.phoenixcontact.com/us/products/1623321>

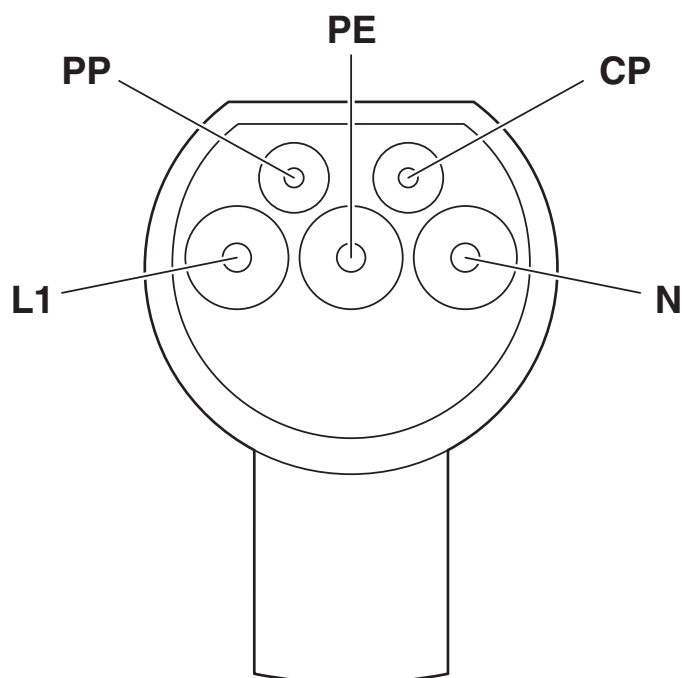
Drawings

Dimensional drawing



Infrastructure plug

Connection diagram



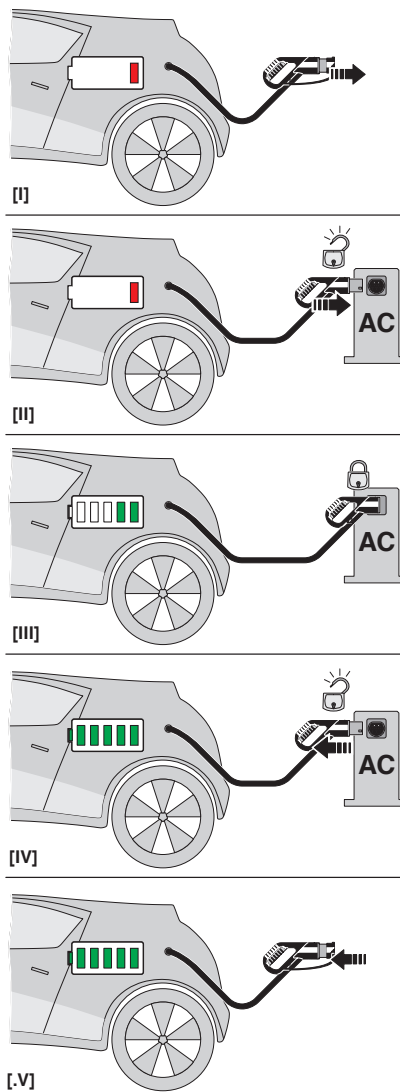
Pin assignment of Infrastructure Plug

EV-T2M3P-1AC20A-4,0M2,5EHBK00 - AC charging cable

1623321

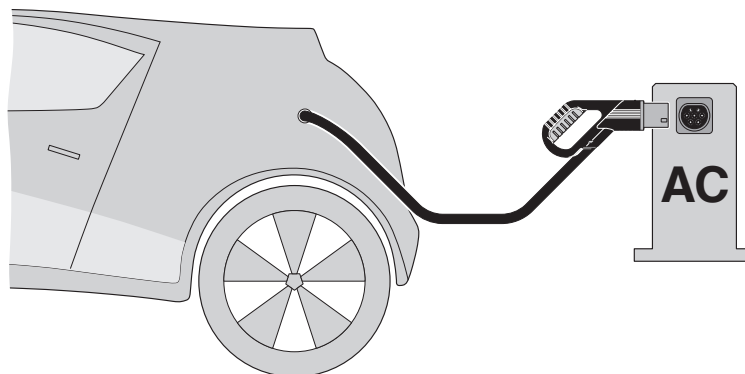
<https://www.phoenixcontact.com/us/products/1623321>

Schematic diagram



Operating instructions

Schematic diagram



EV-T2M3P-1AC20A-4,0M2,5EHBK00 - AC charging cable



1623321
<https://www.phoenixcontact.com/us/products/1623321>

Classifications

UNSPSC

UNSPSC 21.0	39121522
-------------	----------

EV-T2M3P-1AC20A-4,0M2,5EHBK00 - AC charging cable



1623321
<https://www.phoenixcontact.com/us/products/1623321>

Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Not applicable
China RoHS	
Environment friendly use period (EFUP)	EFUP-10
	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.

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com