

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



1623321

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

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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

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## Technical data

### Product properties

Product type	AC charging cable
Product family	CHARX connect
Application	AC charging cable with infrastructure plug, open cable end, with protective cap
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 <sup>2</sup> + 1 x 0.5 mm <sup>2</sup>
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

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Standards

Standards/regulations

IEC 62196-2

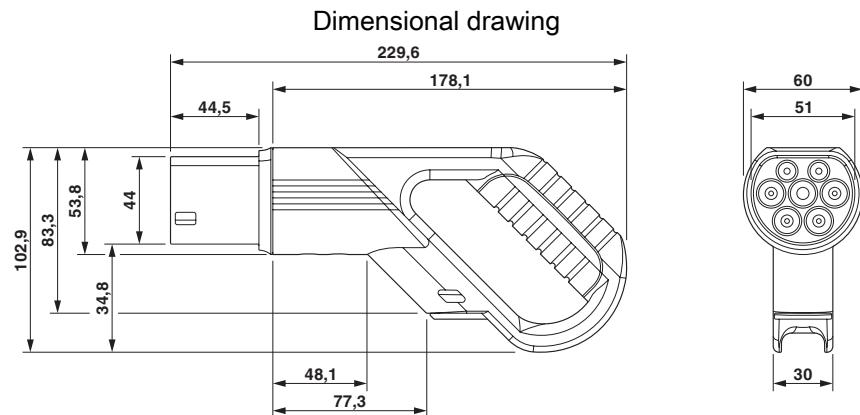
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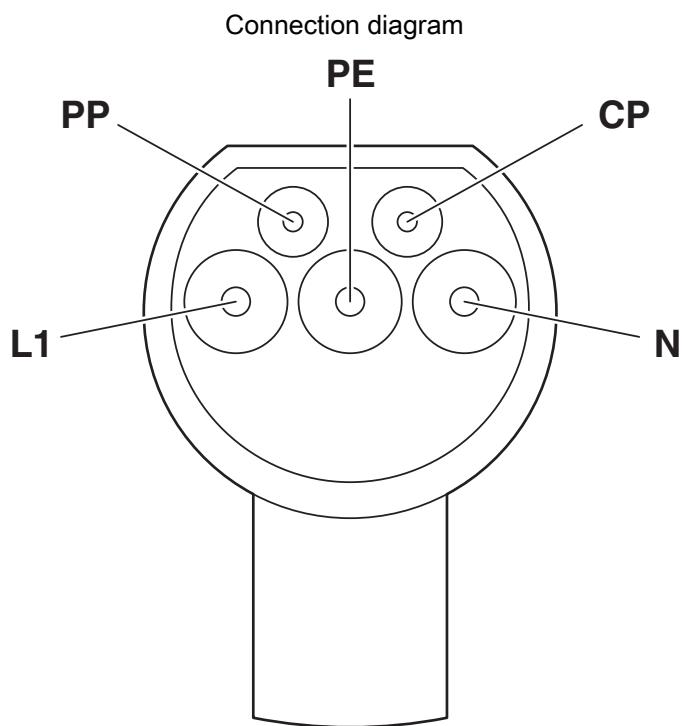
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## Drawings



Infrastructure plug



Pin assignment of Infrastructure Plug

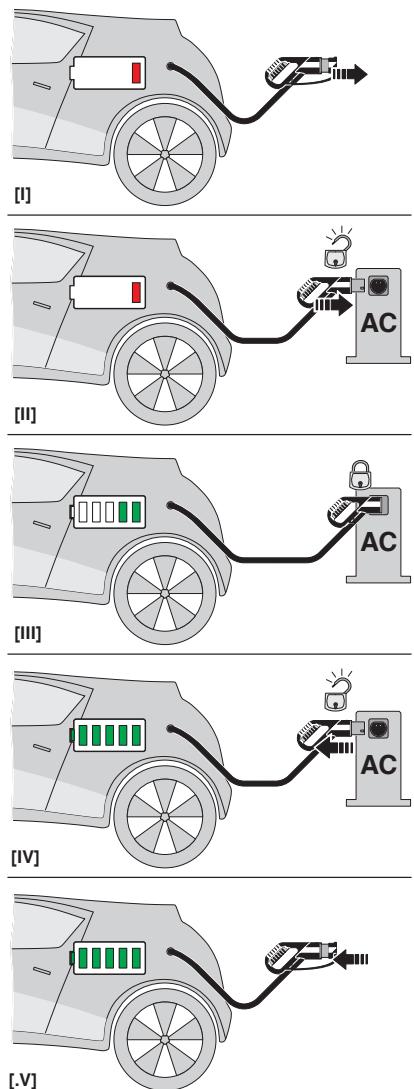
# EV-T2M3P-1AC20A-4,0M2,5EHBK00 - AC charging cable



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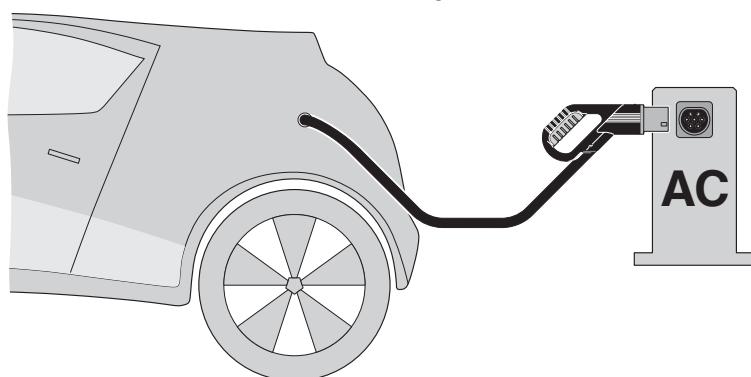
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Schematic diagram



Operating instructions

Schematic diagram



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## Classifications

### UNSPSC

UNSPSC 21.0

39121522

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## Environmental product compliance

### 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.

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)