

1628116
<https://www.phoenixcontact.com/us/products/1628116>

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CHARX connect, GB/T, AC charging cable, with infrastructure charging plug and free cable end, cable: 1.5 m, black, straight, with protective cap, with locking option for padlock, housing: black, gray, GB/T 20234.2-2015, GB/T 18487.1-2015, for charging electric vehicles (EV) with alternating current (AC) via GB/T vehicle charging inlets

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

- Complete product range
- Convenient handling due to the ergonomic, triple award-winning design
- Available with your logo on request - for consistent branding of your charging station
- Longitudinal water tightness reliably prevents water ingress
- Developed and produced in accordance with the IATF 16949 automotive standard and ISO 9001
- Tested in accordance with automotive standards LV124, LV214, and LV215-2
- Tested in accordance with EV Ready 37 requirements

Commercial data

Item number	1628116
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	XWBABF
GTIN	4055626385334
Weight per piece (including packing)	1,103 g
Weight per piece (excluding packing)	1,103 g
Country of origin	DE

EV-GBG3J-1AC32A-1,5M6,0ESBK01 - AC charging cable



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Technical data

Product properties

Product type	AC charging cable
Product family	CHARX connect
Application	for charging electric vehicles (EV) with alternating current (AC) via GB/T vehicle charging inlets for installation at charging stations for electromobility (EVSE)
Design	with protective cap with locking option for padlock
Charging standard	GB/T
Charging mode	Mode 3

Electrical properties

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

Type of charging current	AC single-phase
Charging current	32 A AC (1-phase)
Charging power	8 kW
Rated voltage	250 V

Material specifications

Color (Housing)	black (9005)
Color (Handle area)	gray (7042)
Color (Mating face)	black (9005)
Color (Protective cap)	black (9005)
Color (Cable)	black (9005)

Cable/line

Cable length	1.5 m
Wiring standards/regulations	prEN 50620/DIN EN 50620
Wiring certifications	VDE
Cable weight	max. 305.00 kg/km
Cable type	Class 5
Cable type	straight
Cable structure	3 x 6.0 mm ² + 1 x 0.5 mm ²
External cable diameter	12.80 mm ±0.4 mm
Outer sheath, material	TPE-U
Stripping length of the sheath	60 mm ±15 mm
Stripping length	60 mm ±15 mm
Cable resistance	≤ 0.0033 Ω/m (based on a power core, at an ambient temperature of 20°C)
Bending radius	min. 96 mm (7.5x diameter)
Cable length	1.5 m
Stripping length	60 mm ±15 mm

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External cable diameter	12.80 mm $\pm$ 0.4 mm
Cable type	Class 5
Wiring certifications	VDE
Wiring standards/regulations	prEN 50620/DIN EN 50620
Cable resistance	$\leq$ 0.0033 Ω /m (based on a power core, at an ambient temperature of 20°C)

Standards and regulations

Standards

Standards/regulations	GB/T 20234.2-2015
	GB/T 18487.1-2015

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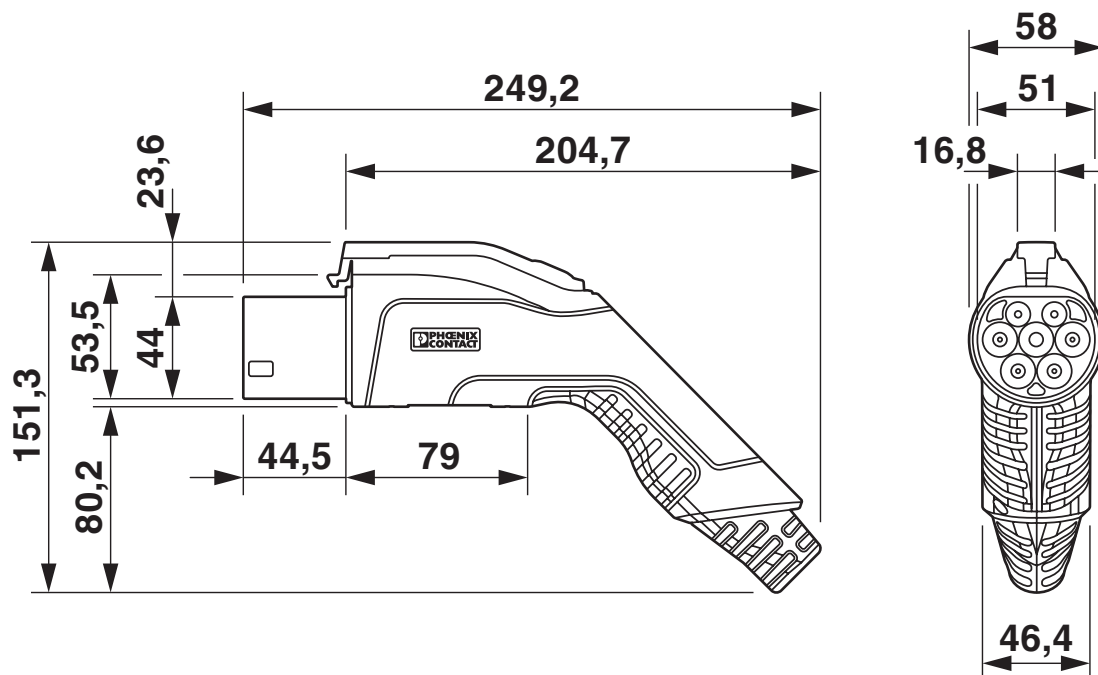


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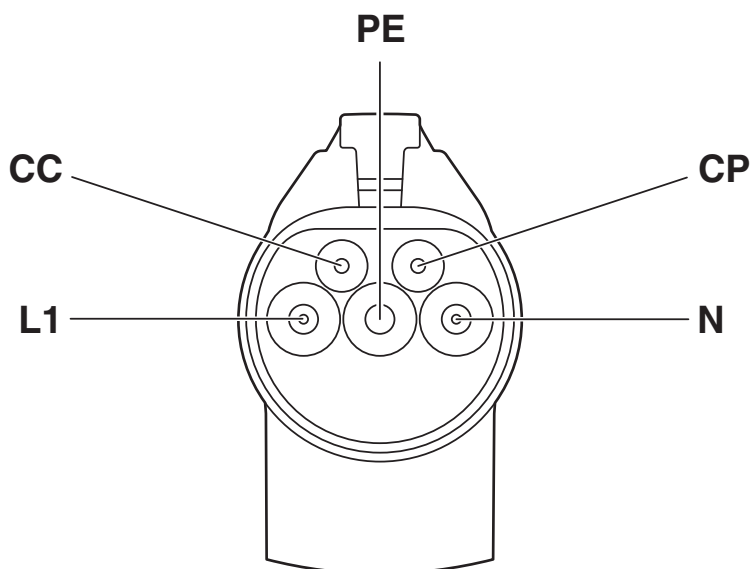
Drawings

Dimensional drawing



Infrastructure plug

Connection diagram



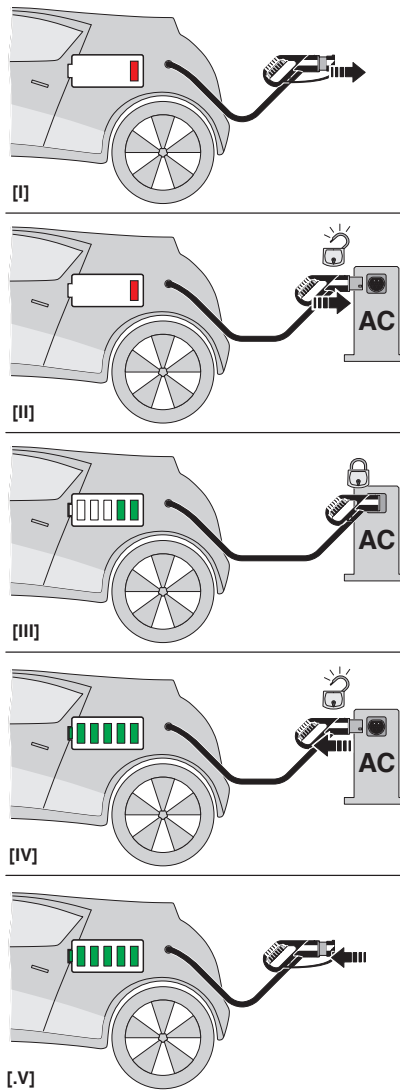
Pin assignment of Infrastructure Plug

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Schematic diagram



Operating instructions

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Classifications

ETIM

ETIM 8.0	EC002897
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UNSPSC

UNSPSC 21.0	39121500
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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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