

EV-TBG3JC-1AC32A-5,0M6,0ESBK01 - AC charging cable



1627688

<https://www.phoenixcontact.com/us/products/1627688>

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, GB/T, Mobile AC charging cable, with vehicle charging connector and infrastructure charging plug, cable: 5 m, black, straight, with protective cap, with locking option for padlock, housing: black, gray, PHOENIX CONTACT logo, IEC 62196-2, GB/T 20234.2-2015, for charging electric vehicles (EV) with alternating current (AC) via type 2 vehicle charging inlets

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 GB/T infrastructure charging sockets 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	1627688
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	XWB AEH
GTIN	4055626357454
Weight per piece (including packing)	2,573 g
Weight per piece (excluding packing)	2,573 g
Country of origin	DE

EV-TBG3JC-1AC32A-5,0M6,0ESBK01 - AC charging cable



1627688

<https://www.phoenixcontact.com/us/products/1627688>

Technical data

Product properties

Product type	AC charging cable
Product family	CHARX connect
Type	Mobile AC charging cable with vehicle charging connector and infrastructure charging plug
Design	with protective cap with locking option for padlock
Charging standard	Type 2 GB/T
Charging mode	Mode 3, Case B
Affixed logo	PHOENIX CONTACT logo

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	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)

EV-TBG3JC-1AC32A-5,0M6,0ESBK01 - AC charging cable



1627688

<https://www.phoenixcontact.com/us/products/1627688>

Cable length	5 m
Stripping length	60 mm ±15 mm
External cable diameter	12.80 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 temperature of 20°C)

Standards and regulations

Standards

Standards/regulations	IEC 62196-2
	GB/T 20234.2-2015

EV-TBG3JC-1AC32A-5,0M6,0ESBK01 - AC charging cable

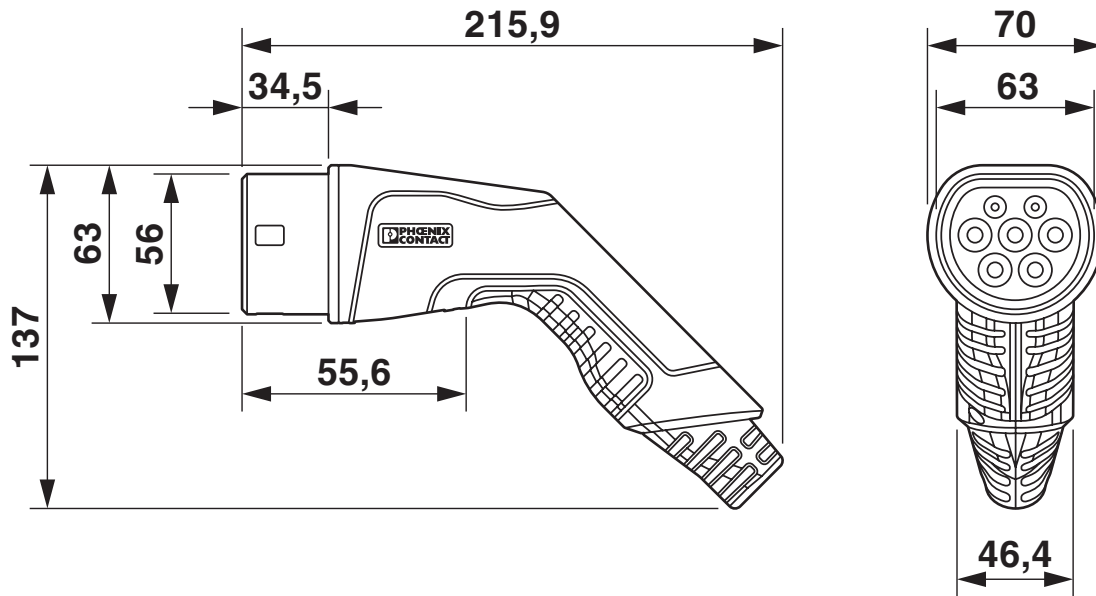


1627688

<https://www.phoenixcontact.com/us/products/1627688>

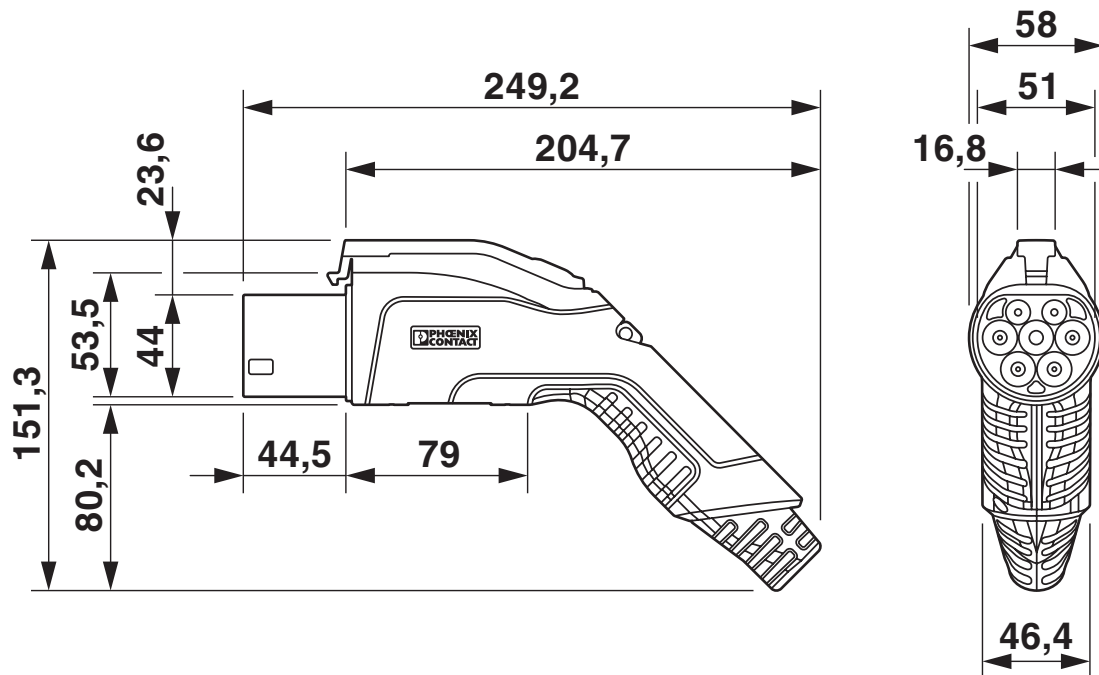
Drawings

Dimensional drawing



Vehicle connector

Dimensional drawing



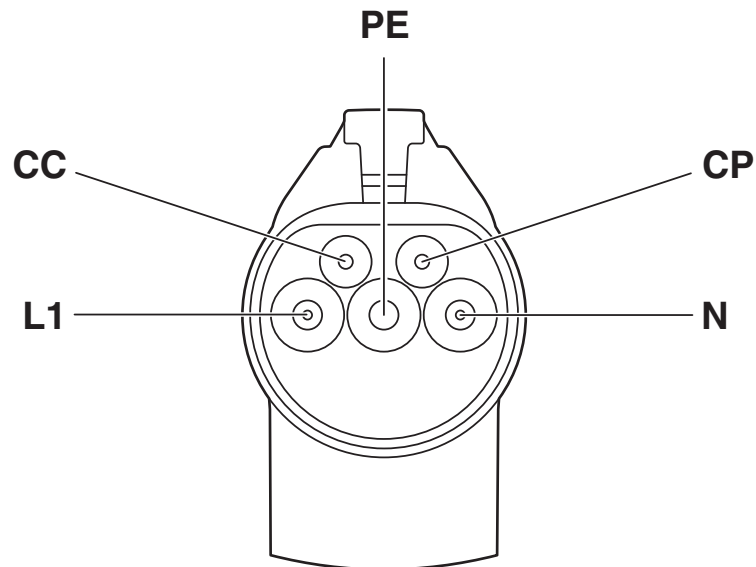
Infrastructure plug

EV-TBG3JC-1AC32A-5,0M6,0ESBK01 - AC charging cable

1627688

<https://www.phoenixcontact.com/us/products/1627688>

Connection diagram



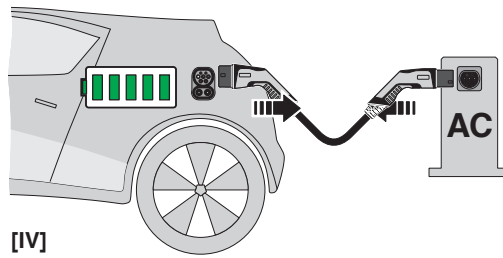
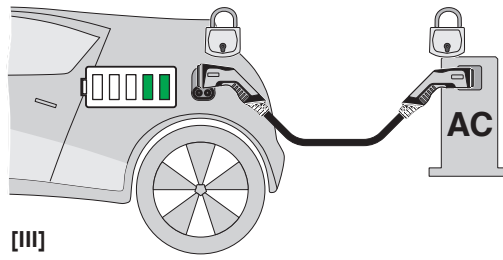
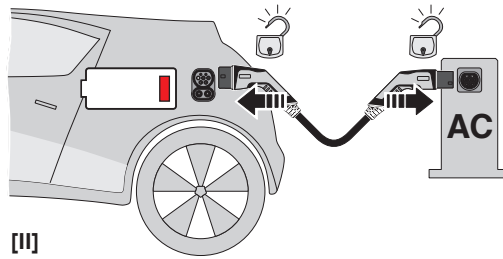
Pin assignment of Infrastructure Plug

EV-TBG3JC-1AC32A-5,0M6,0ESBK01 - AC charging cable

1627688

<https://www.phoenixcontact.com/us/products/1627688>

Schematic diagram



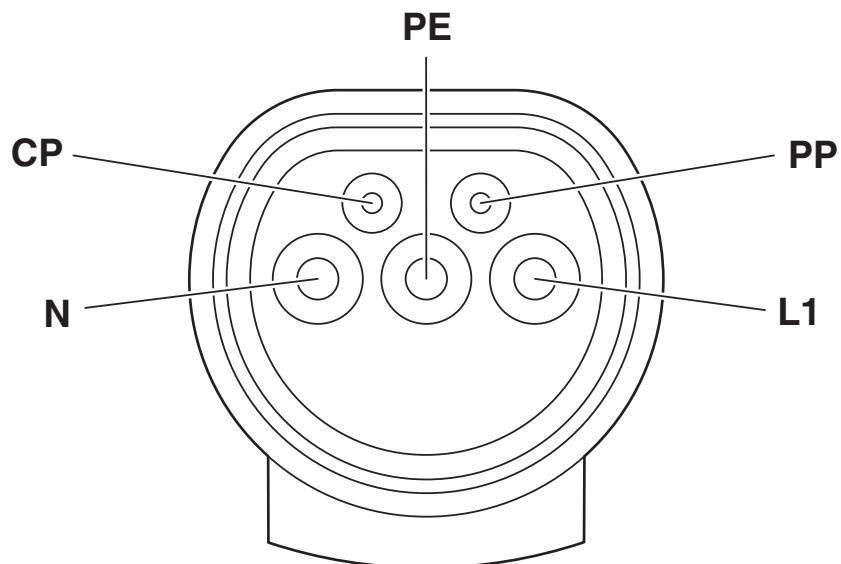
Operating instructions

EV-TBG3JC-1AC32A-5,0M6,0ESBK01 - AC charging cable

1627688

<https://www.phoenixcontact.com/us/products/1627688>

Schematic diagram



Pin assignment of the Vehicle Connector

EV-TBG3JC-1AC32A-5,0M6,0ESBK01 - AC charging cable



1627688

<https://www.phoenixcontact.com/us/products/1627688>

Classifications

UNSPSC

UNSPSC 21.0	39121500
-------------	----------

EV-TBG3JC-1AC32A-5,0M6,0ESBK01 - AC charging cable



1627688

<https://www.phoenixcontact.com/us/products/1627688>

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%
-------------------------------------	----------------------------

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