

# EV-GBG3PC-3AC32A-5,0M6,0ESBK01 - AC charging cable



1627606

<https://www.phoenixcontact.com/us/products/1627606>

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CHARX connect, GB/T, Mobile AC charging cable, with vehicle charging connector and infrastructure charging plug, cable: 5 m, black, straight, with protective cap, housing: black, gray, PHOENIX CONTACT logo, 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

Mobile AC charging cable with vehicle connector and infrastructure plug for charging electric vehicles (EV) with alternating current (AC), via a GB/T vehicle charging inlet, compatible with GB/T 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	1627606
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	XWBAEF
GTIN	4055626342870
Weight per piece (including packing)	3,690 g
Weight per piece (excluding packing)	3,595 g
Country of origin	DE

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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
	Compatible with GB/T infrastructure charging sockets at charging stations for electromobility (EVSE)
Design	with protective cap
Charging standard	GB/T
Charging mode	Mode 3, Case B
Affixed logo	PHOENIX CONTACT logo

### Electrical properties

#### Charging power and current (AC charging (3-phase))

Type of charging current	AC 3-phase
Charging current	32 A AC (3-phase)
Charging power	26.6 kW (3-phase)
Rated voltage	480 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. 505.00 kg/km
Cable type	Class 5
Cable type	straight
Cable structure	5 x 6.0 mm <sup>2</sup> + 1 x 0.5 mm <sup>2</sup>
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	5 m
External cable diameter	17.00 mm ±0.4 mm
Cable type	Class 5

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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	GB/T 20234.2-2015
	GB/T 18487.1-2015

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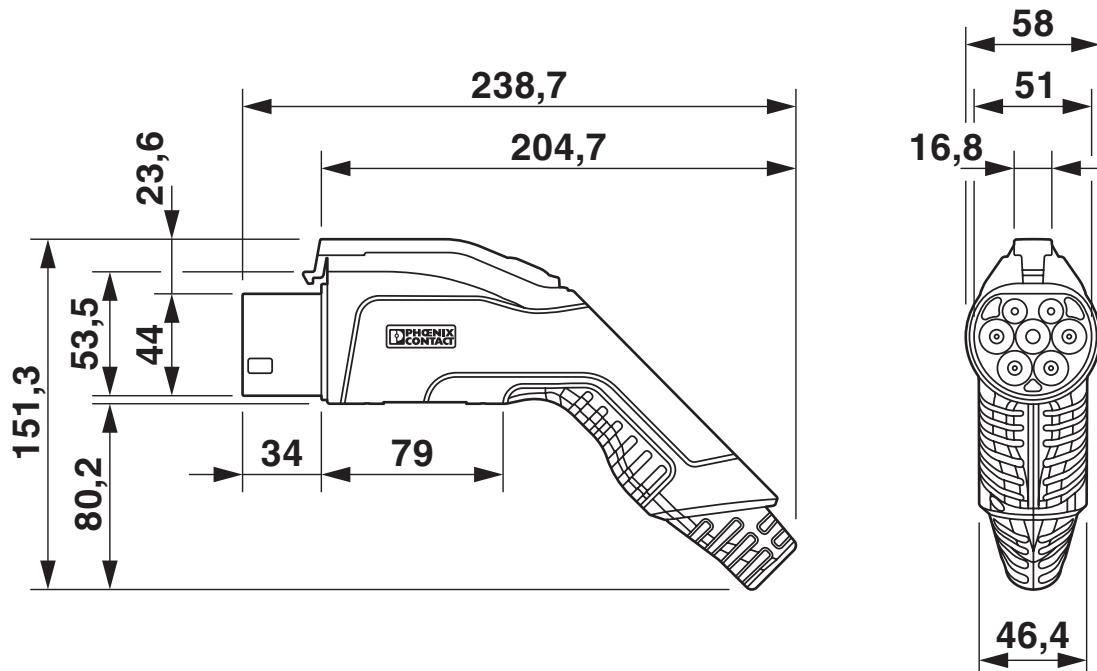


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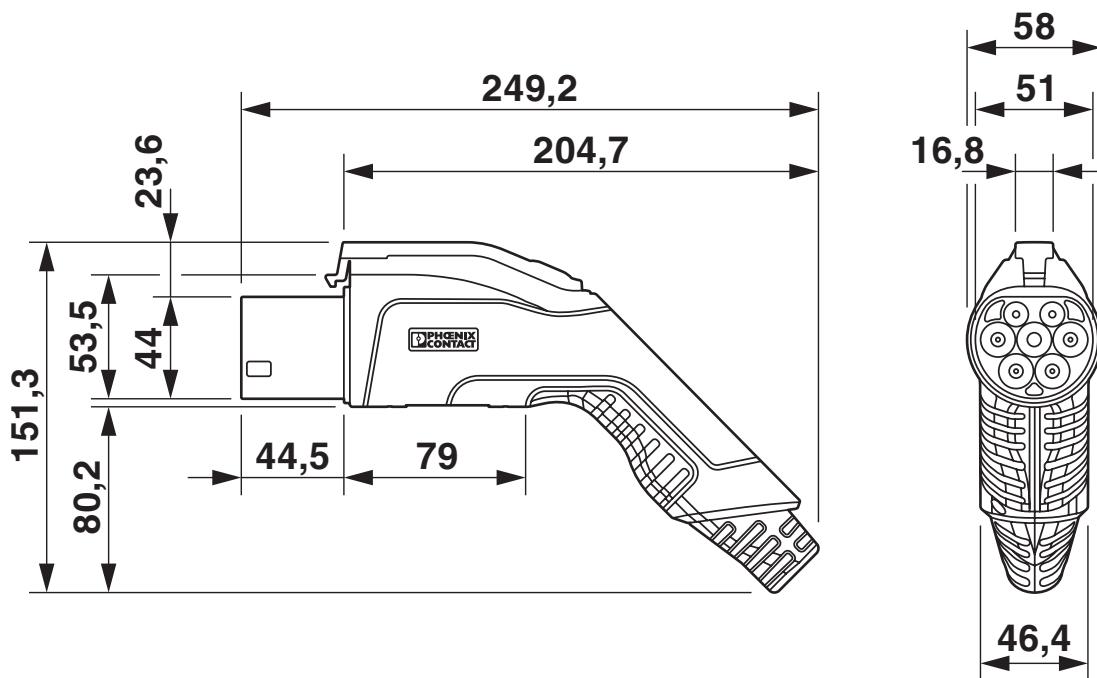
## Drawings

Dimensional drawing



Vehicle connector

Dimensional drawing



Infrastructure plug

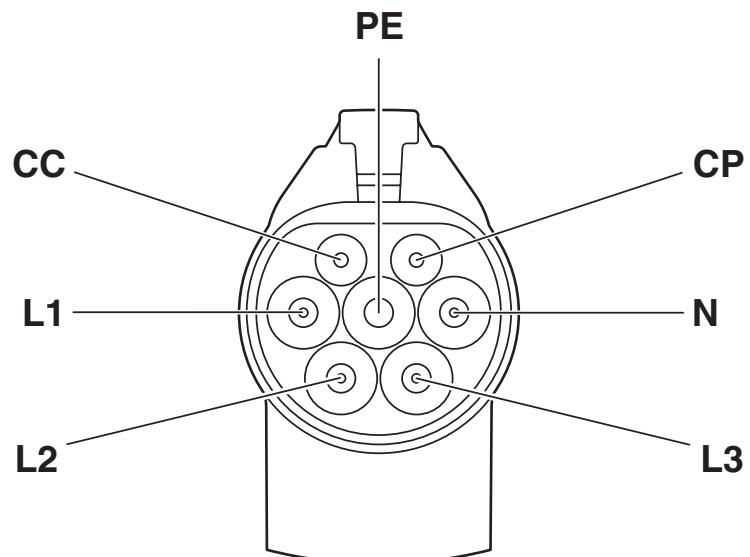
# EV-GBG3PC-3AC32A-5,0M6,0ESBK01 - AC charging cable



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Connection diagram



Pin assignment of Infrastructure Plug

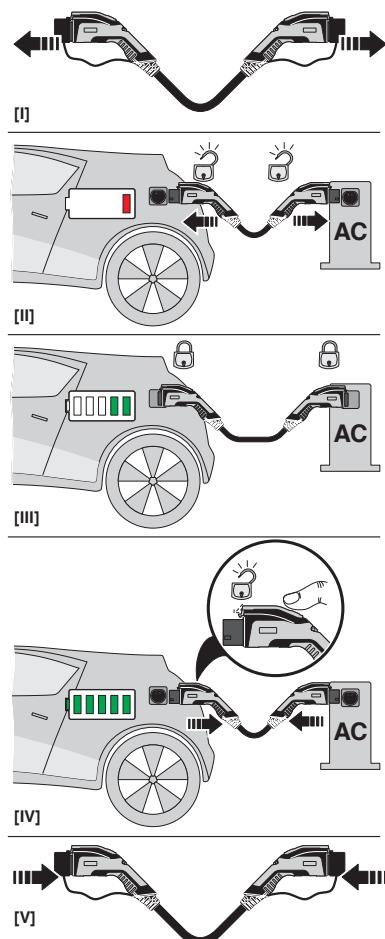
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Schematic diagram



Operating instructions

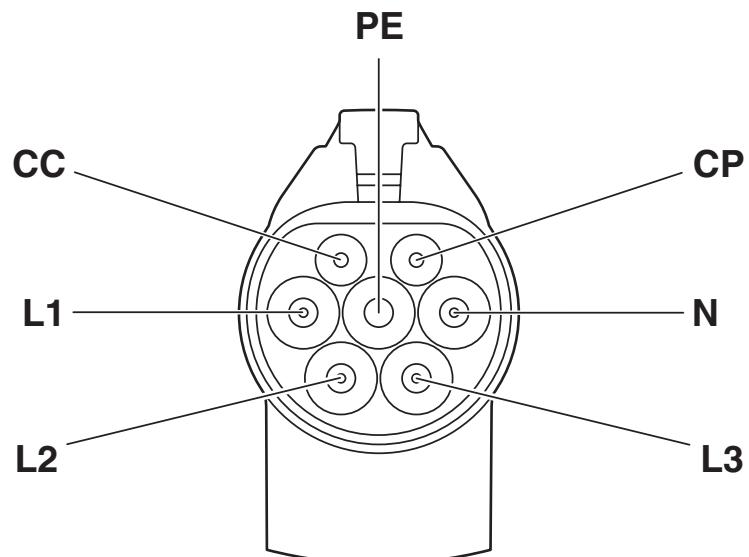
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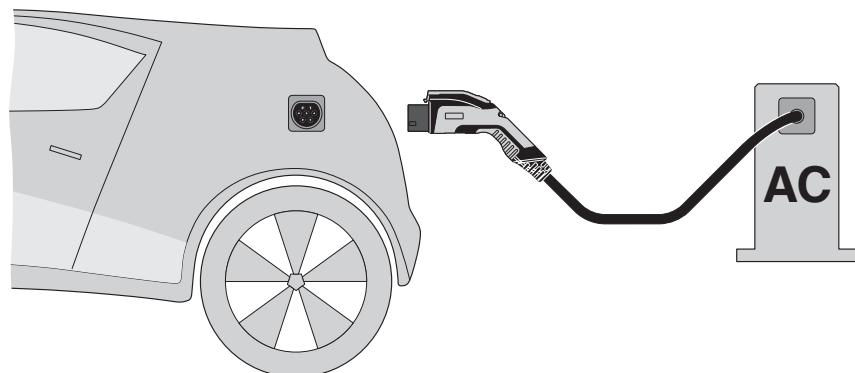
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Schematic diagram



Pin assignment of the Vehicle Connector

Schematic diagram



Terminology definition

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## Classifications

### ETIM

ETIM 8.0

EC002897

### 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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