

EV-GBM3C-1AC32A-5,0M6,0ESOG00 - AC charging cable



1408167

<https://www.phoenixcontact.com/us/products/1408167>

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, AC charging cable, with vehicle charging connector and open cable end, For charging electric vehicles (EV) with alternating current (AC) via GB/T vehicle charging inlets, with protective cap, GB/T, GB/T 20234.2, 32 A / 440 V (AC), housing: black, gray, PHOENIX CONTACT logo, cable: 5 m, orange, straight

Product description

AC charging cable with vehicle charging connector and free cable end for charging electric vehicles (EV) with alternating current (AC) via GB/T vehicle charging inlets, for installation 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	1408167
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	EM01
Product key	XWBAAF
Catalog page	Page 752 (C-2-2017)
GTIN	4046356856065
Weight per piece (including packing)	3.31 kg
Weight per piece (excluding packing)	2.71 kg
Customs tariff number	85444290
Country of origin	CN

EV-GBM3C-1AC32A-5,0M6,0ESOG00 - AC charging cable



1408167

<https://www.phoenixcontact.com/us/products/1408167>

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)
Type	AC charging cable with vehicle charging connector and open cable end
Design	with protective cap
Affixed logo	PHOENIX CONTACT logo
Charging mode	Mode 3, Case C
Charging standard	GB/T

Electrical properties

Note on the connection method	Crimp connection, cannot be disconnected
Coding	680 Ω (between PE and CC)
Type of charging current	AC single-phase
Charging power	8 kW
Charging current	32 A

Power contact

Number	3 (L, N, PE)
Rated voltage	440 V
Rated current	32 A

Signal contact

Number	2 (CP, CC)
Rated voltage	30 V AC
Rated current	2 A

Material specifications

Color (Housing)	black (9005)
Color (Handle area)	gray (7042)
Color (Mating face)	black (9005)
Color (Protective cap)	black (9005)
Color (Cable)	orange (2003)
Material (Vehicle charging connector)	Plastic
Material (Cable outer sheath)	TPE-U
Material (Contact surface)	Silver

Cable/line

Cable length	5 m
Cable type	Class 6

EV-GBM3C-1AC32A-5,0M6,0ESOG00 - AC charging cable



1408167

<https://www.phoenixcontact.com/us/products/1408167>

Cable type	straight
Cable structure	3 x 6.0 mm ² + 1 x 0.5 mm ²
External cable diameter	13.90 mm ±0.3 mm
Outer sheath, material	TPE
Stripping length of the sheath	45 mm ±10 mm
Stripping length	45 mm ±10 mm
Cable resistance	≤ 0.0033 Ω/m (based on a power core, at an ambient temperature of 20°C)
Bending radius	min. 208.5 mm (15x diameter)
Cable length	5 m
Stripping length	45 mm ±10 mm
External cable diameter	13.90 mm ±0.3 mm
Cable type	Class 6
Cable resistance	≤ 0.0033 Ω/m (based on a power core, at an ambient temperature of 20°C)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 10000
Insertion force	< 100 N
Withdrawal force	< 100 N

Environmental and real-life conditions

Ambient conditions

Degree of protection (Vehicle charging inlet)	IP55 (plugged in; when plugged in and ready to operate, the degree of protection is only ensued if both plug-in components are original products from Phoenix Contact or suitable standard-compliant products)
Degree of protection (Infrastructure charging plug)	IP55 (plugged in; when plugged in and ready to operate, the degree of protection is only ensued if both plug-in components are original products from Phoenix Contact or suitable standard-compliant products)
Degree of protection (Protective cap)	IP54
Ambient temperature (operation)	-30 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Altitude	5000 m (above sea level)

Standards and regulations

Standards

Standards/regulations	GB/T 20234.2
-----------------------	--------------

EV-GBM3C-1AC32A-5,0M6,0ESOG00 - AC charging cable



1408167

<https://www.phoenixcontact.com/us/products/1408167>

Phoenix Contact 2024 © - 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