

# EV-T1G2K-1AC15A-5,0M14ASBK01 - AC charging cable



1627757

<https://www.phoenixcontact.com/us/products/1627757>

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CHARX connect, Type 1, AC charging cable, with vehicle charging connector and open cable end, cable: 5 m, black, straight, with protective cap, with locking option for padlock, housing: black, gray, PHOENIX CONTACT logo, SAE J1772, for charging electric vehicles (EV) with alternating current (AC) via type 1 vehicle charging inlets

## Product description

AC charging cable with vehicle charging connector and free cable end for charging electric vehicles (EV) with alternating current (AC) via type 1 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
- Laser-marked mating face in accordance with DIN EN 17186

## Commercial data

Item number	1627757
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	EM01
Product key	XWBAAA
GTIN	4055626352244
Weight per piece (including packing)	1,380.7 g
Weight per piece (excluding packing)	1,380 g
Customs tariff number	85444290
Country of origin	PL

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## Technical data

### Product properties

Product type	AC charging cable
Product family	CHARX connect
Type	AC charging cable with vehicle charging connector and open cable end
Design	with protective cap with locking option for padlock
Charging standard	Type 1
Charging mode	AC level 2
Affixed logo	PHOENIX CONTACT logo

### Electrical properties

#### Charging power and current

Type of charging current	AC single-phase
Charging current	15 A
Charging power	3.75 kW

### 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	UL 62 FFSO7.E343212
Cable weight	max. 155.00 kg/km
Cable type	straight
Cable structure	3 x 14 AWG + 1 x 20 AWG
External cable diameter	10.50 mm ±0.3 mm
Outer sheath, material	TPE
Stripping length of the sheath	70 mm ±5 mm
Stripping length	70 mm ±5 mm
Cable resistance	≤ 0.00888 Ω/m (based on a power core, at an ambient temperature of 20°C)
Bending radius	min. 157.5 mm (15x diameter)
Cable length	5 m
Stripping length	70 mm ±5 mm
External cable diameter	10.50 mm ±0.3 mm

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Wiring standards/regulations	UL 62
	FFSO7.E343212
Cable resistance	$\leq 0.00888 \Omega/\text{m}$ (based on a power core, at an ambient temperature of 20°C)

## Standards and regulations

### Standards

Standards/regulations	SAE J1772
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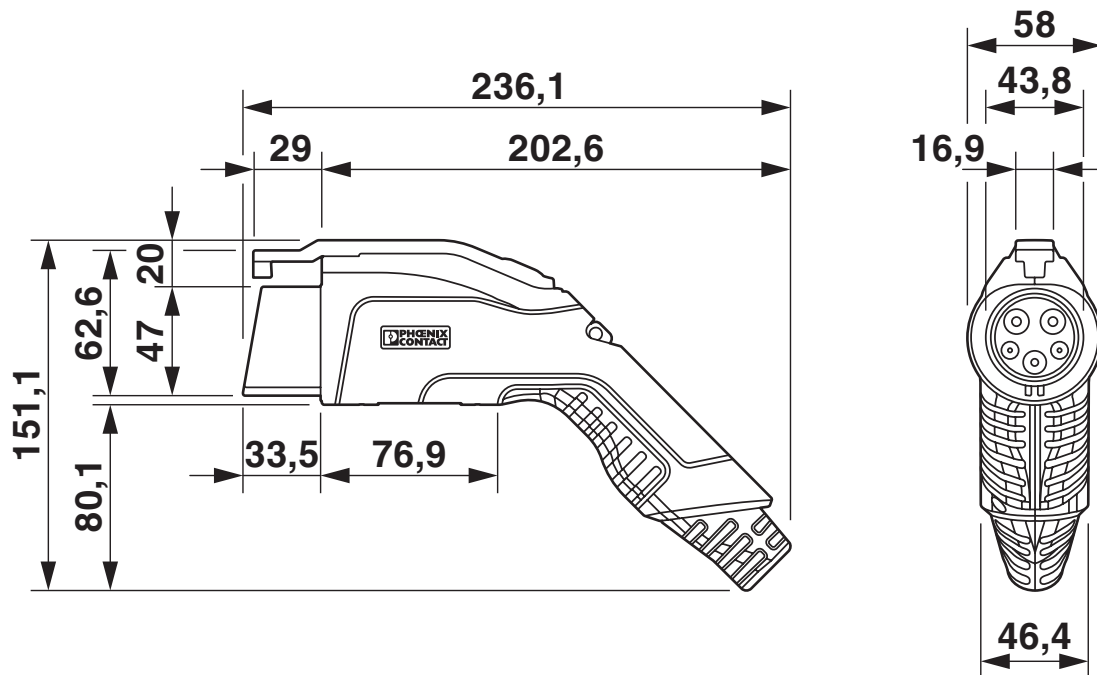


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## Drawings

Dimensional drawing



Make sure that the vehicle charging connector is placed in an appropriate charging connector holder, which ensures a minimum protection rating of IP24 in accordance with IEC 61851-1, for the entire time between charging. To create this charging connector holder, use the dimensions of the vehicle charging connector. Detailed dimensions can also be found in the Download area.

Connection diagram



Pin assignment of the Vehicle Connector

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## Schematic diagram



## Operating instructions

### Schematic diagram



## Terminology definition

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## Classifications

### UNSPSC

UNSPSC 21.0	39121500
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

### 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.)	Lead(CAS: 7439-92-1)
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