EV-T1G2C-1AC48A-18FT12ASBK51U - AC charging cable

1289330

https://www.phoenixcontact.com/us/products/1289330

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CHARX connect comfort, AC charging cable, with vehicle charging connector and open cable end, for charging electric vehicles (EV) with alternating current (AC) via type 1 vehicle charging inlets, without protective cap, Type 1, SAE J1772, 48 A / 250 V (AC), Without logo, cable: 18 ft, black, straight

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	1289330
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	EM01
Product key	XWBAAA
GTIN	4063151519070
Weight per piece (including packing)	2,864 g
Weight per piece (excluding packing)	2,864 g
Customs tariff number	85444290
Country of origin	PL

Technical data

Product properties

Product type	AC charging cable
Product family	CHARX connect comfort
Application	for charging electric vehicles (EV) with alternating current (AC) via type 1 vehicle charging inlets
	for installation at charging stations for electromobility (EVSE)
Type	AC charging cable
	with vehicle charging connector and open cable end
Design	without protective cap
Affixed logo	Without logo
Charging mode	AC level 2
Charging standard	Type 1

Electrical properties

Note on the connection method	Crimp connection, cannot be disconnected
Coding	480 Ω (Lever actuated)
	150 Ω (Lever not actuated)
Type of charging current	AC single-phase
Charging power	12 kW
Charging current	48 A

Power contact

Number	3 (L1, N, PE)
Rated voltage	250 V AC
Rated current	48 A

Signal contact

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

Dimensions

Vehicle charging connector

Width	58 mm
Height	151.1 mm
Depth	236.1 mm

Material specifications

Color (Housing)	black (9005)
Color (Handle area)	black (9005)
Color (Actuating element)	silver grey (7001)
Color (Mating face)	black (9005)

Color (Protective cap)	black (9005)
Color (Cable)	black (9005)
Material (Vehicle charging connector)	Plastic
Material (Cable outer sheath)	TPE-U
Material (Contact surface)	Silver

Cable/line

Cable length	18 ft
Wiring standards/regulations	UL 62
Cable weight	max. 327 kg/km
Cable type	straight
Cable structure	4 x 12 AWG 1 x 10 AWG + 5 x 22 AWG
External cable diameter	14.5 mm
Outer sheath, material	TPE
Stripping length of the sheath	70 mm ±5 mm
Cable resistance	≤ 0.001025 Ω/m (based on a power core, at an ambient temperature of 20°C)
Bending radius	min. 72.5 mm

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 10000
Insertion force	< 75 N
Withdrawal force	< 75 N

Environmental and real-life conditions

Ambient conditions

Degree of protection (Vehicle charging inlet)	IP44 (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)

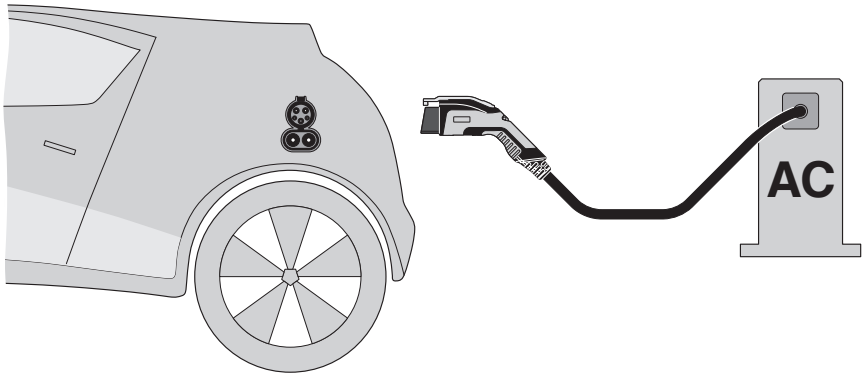
Standards and regulations

Standards

Standards/regulations	SAE J1772

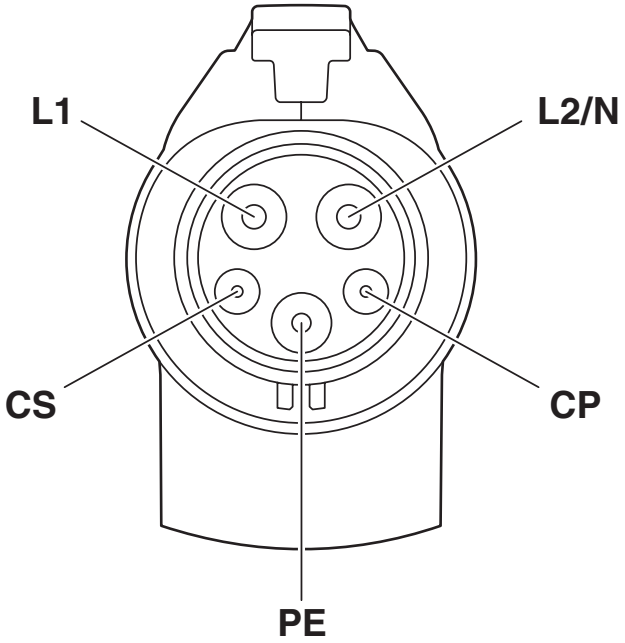
Drawings

Schematic diagram



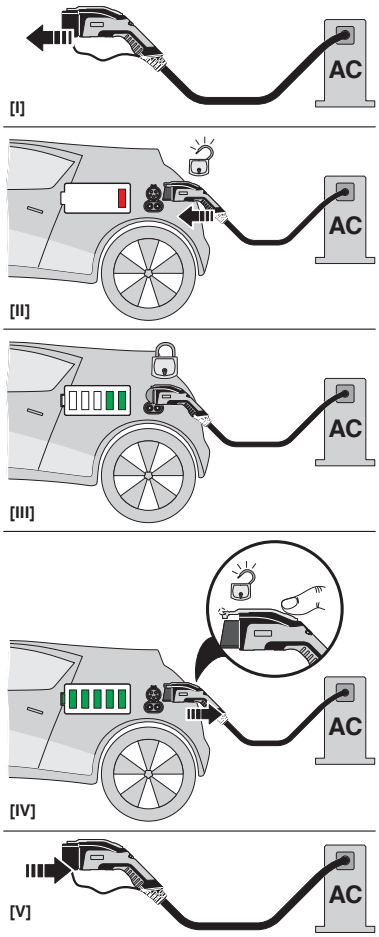
Terminology definition

Connection diagram



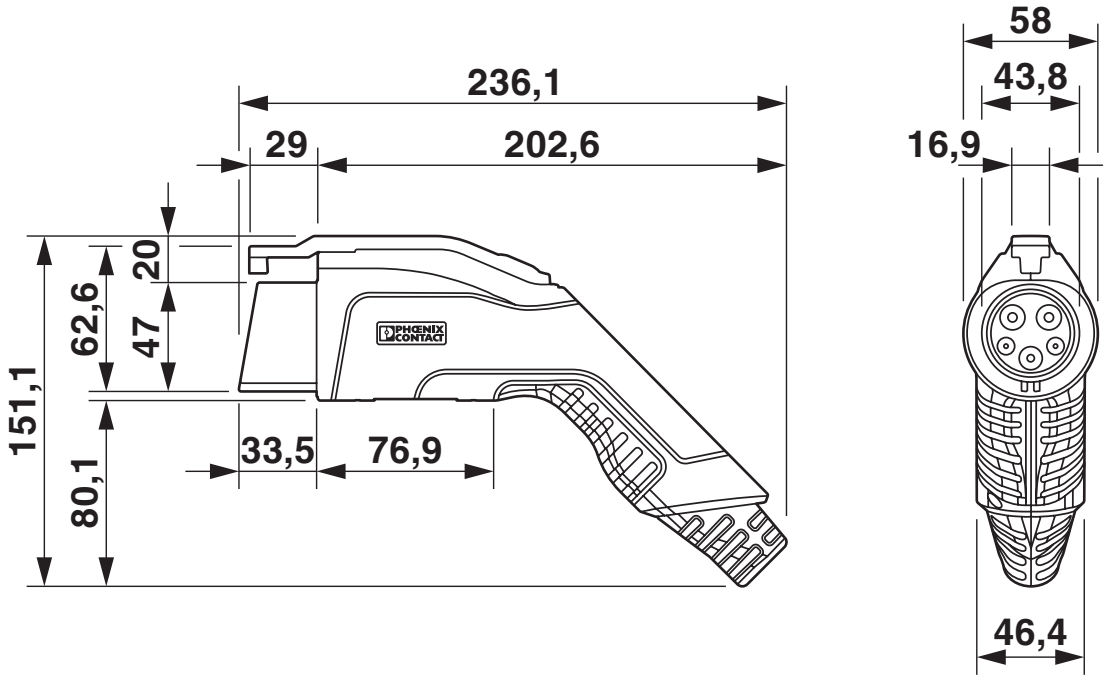
Pin assignment of the Vehicle Connector

Schematic diagram



Operating instructions

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.

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1289330

cULus Recognized
Approval ID: E473195-20160303

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	250 V	48 A	-	-

Classifications

ECLASS

ECLASS-11.0	27144705
ECLASS-12.0	27144705
ECLASS-13.0	27144705

ETIM

ETIM 8.0	EC002897

UNSPSC

UNSPSC 21.0	39121500

Environmental product compliance

REACh SVHC	Lead 7439-92-1

China RoHS	Environmentally Friendly Use Period = 10;
	For information on hazardous substances, refer to the manufacturer’s declaration available under “Downloads”

Accessories

EV-T1AC-PARK - Charging connector holder

1624139

https://www.phoenixcontact.com/us/products/1624139

CHARX connect, Charging connector holder, Accessories, for vehicle charging connectors on charging stations (EVSE), Type 1, SAE J1772, Front mounting, housing: black

G-INS-M25-M68N-PNES-BK - Cable gland

1411134

https://www.phoenixcontact.com/us/products/1411134

Cable gland, material for screw connection: PA, external cable diameter 11 mm . .. 17 mm, shielding: no, connecting thread: M25 x 1.5, color: jet black RAL 9005

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