

EV-T1G2C-1AC40A-25FT12ASBK11U - AC charging cable



1102140

<https://www.phoenixcontact.com/us/products/1102140>

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 type 1 vehicle charging inlets, without protective cap, Type 1, SAE J1772, PHOENIX CONTACT logo, cable: 25 ft, black, straight, NOTE: Cable management may be required.

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	1102140
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	EM01
Product key	XWBAAA
GTIN	4055626962108
Weight per piece (including packing)	3,210 g
Weight per piece (excluding packing)	3,210 g
Customs tariff number	85444290
Country of origin	PL

EV-T1G2C-1AC40A-25FT12ASBK11U - AC charging cable



1102140

<https://www.phoenixcontact.com/us/products/1102140>

Technical data

Product properties

Product type	AC charging cable
Product family	CHARX connect
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	PHOENIX CONTACT logo
Charging mode	AC level 2
Charging standard	Type 1

Electrical properties

Type of charging current	AC single-phase
Charging power	10 kW
Charging current	40 A

Material specifications

Color (Housing)	black (9005)
Color (Handle area)	black (9005)
Color (Mating face)	black (9005)
Color (Protective cap)	black (9005)
Color (Cable)	black (9005)

Cable/line

Cable length	25 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
Cable length	25 ft
Stripping length	70 mm ±5 mm
External cable diameter	14.5 mm
Wiring standards/regulations	UL 62
Cable resistance	≤ 0.001025 Ω/m (based on a power core, at an ambient

EV-T1G2C-1AC40A-25FT12ASBK11U - AC charging cable



1102140

<https://www.phoenixcontact.com/us/products/1102140>

temperature of 20°C)

Standards and regulations

Connection in accordance with standard

Normative cable length restrictions

NOTE: Cable management may be required.

Cable management is required in the US if the cable length exceeds 7.5 m (IEC 61851-1).

Standards

Standards/regulations

SAE J1772

EV-T1G2C-1AC40A-25FT12ASBK11U - AC charging cable

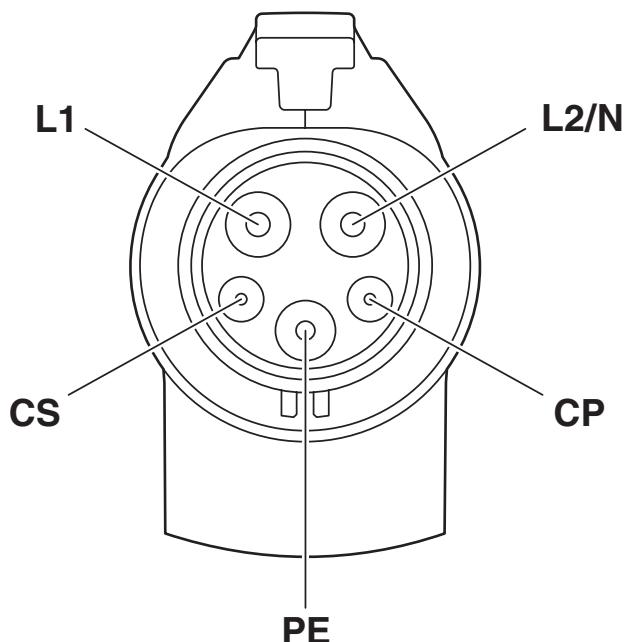


1102140

<https://www.phoenixcontact.com/us/products/1102140>

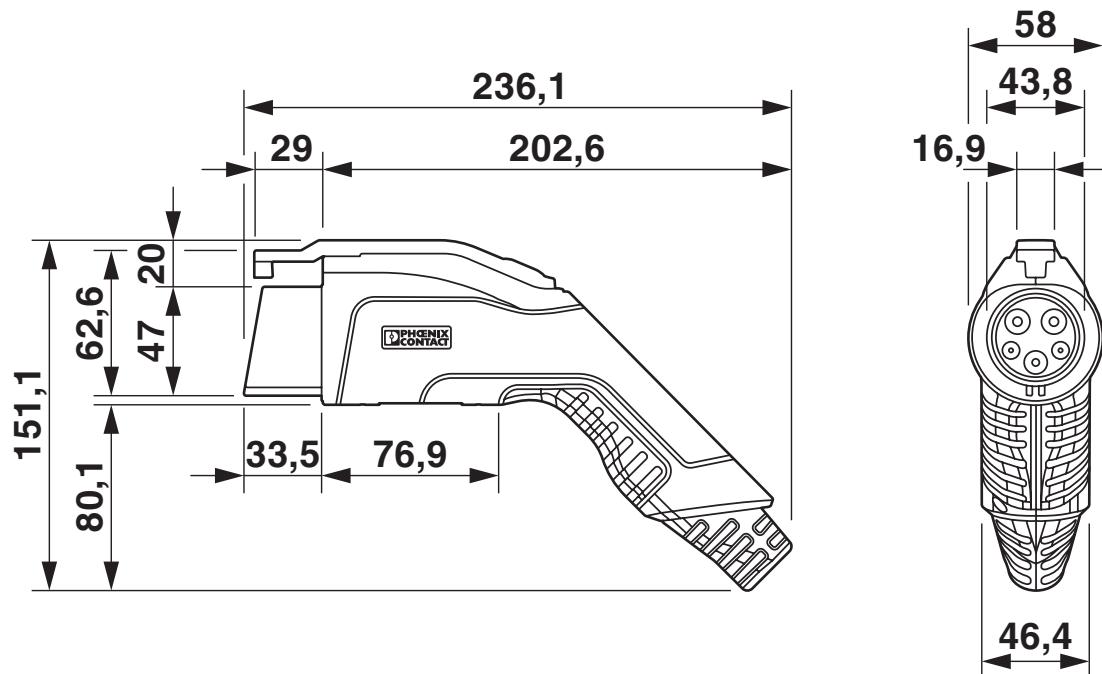
Drawings

Connection diagram



Pin assignment of the Vehicle Connector

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.

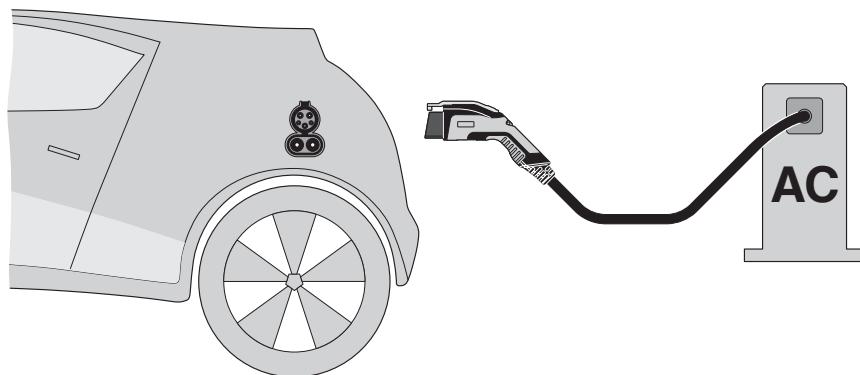
EV-T1G2C-1AC40A-25FT12ASBK11U - AC charging cable



1102140

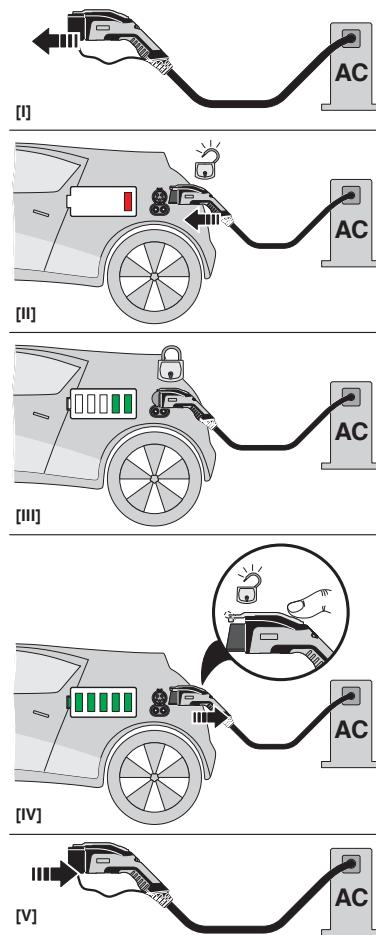
<https://www.phoenixcontact.com/us/products/1102140>

Schematic diagram



Terminology definition

Schematic diagram



Operating instructions

EV-T1G2C-1AC40A-25FT12ASBK11U - AC charging cable



1102140

<https://www.phoenixcontact.com/us/products/1102140>

Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1102140>

cULus Recognized				
Approval ID: E473195-20160303				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	250 V	40 A	-	-

EV-T1G2C-1AC40A-25FT12ASBK11U - AC charging cable



1102140

<https://www.phoenixcontact.com/us/products/1102140>

Classifications

ECLASS

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

ETIM

ETIM 8.0	EC002897
----------	----------

UNSPSC

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

EV-T1G2C-1AC40A-25FT12ASBK11U - AC charging cable



1102140

<https://www.phoenixcontact.com/us/products/1102140>

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"

EV-T1G2C-1AC40A-25FT12ASBK11U - AC charging cable



1102140

<https://www.phoenixcontact.com/us/products/1102140>

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

Phoenix Contact 2023 © - 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