

EV-T1G2K-1AC32A-6,5M10ASBK01 - AC charging cable



1628420
<https://www.phoenixcontact.com/us/products/1628420>

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 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, with protective cap, with locking option for padlock, Type 1, SAE J1772, 32 A / 250 V (AC), PHOENIX CONTACT logo, cable: 6.5 m, 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	1628420
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	EM01
Product key	XWBAAA
GTIN	4055626446578
Weight per piece (including packing)	3,197 g
Weight per piece (excluding packing)	3,125 g
Customs tariff number	85444290
Country of origin	PL

EV-T1G2K-1AC32A-6,5M10ASBK01 - AC charging cable



1628420

<https://www.phoenixcontact.com/us/products/1628420>

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	with protective cap with locking option for padlock
Affixed logo	PHOENIX CONTACT logo

Data management status

Article revision	06
Charging mode	AC level 2
Charging standard	Type 1

Electrical properties

Type of signal transmission	Pulse width modulation
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	8 kW
Charging current	32 A

Power contact

Number	3 (L1, N, PE)
Rated voltage	250 V AC
Rated current	32 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

EV-T1G2K-1AC32A-6,5M10ASBK01 - AC charging cable



1628420

<https://www.phoenixcontact.com/us/products/1628420>

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	6.5 m
Wiring standards/regulations	UL 62
	FFSO7.E343212
Cable weight	max. 385.00 kg/km
Cable type	straight
Cable structure	3 x 10 AWG + 1 x 18 AWG
External cable diameter	17.00 mm ±0.4 mm
Outer sheath, material	TPE
Stripping length of the sheath	70 mm ±5 mm
Stripping length	70 mm ±5 mm
Cable resistance	≤ 0.00351 Ω/m (based on a power core, at an ambient temperature of 20°C)
Bending radius	min. 255 mm (15x diameter)

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

EV-T1G2K-1AC32A-6,5M10ASBK01 - AC charging cable



1628420
<https://www.phoenixcontact.com/us/products/1628420>

Standards/regulations	SAE J1772
-----------------------	-----------

EV-T1G2K-1AC32A-6,5M10ASBK01 - AC charging cable

1628420

<https://www.phoenixcontact.com/us/products/1628420>

Schematic diagram



Operating instructions

Schematic diagram



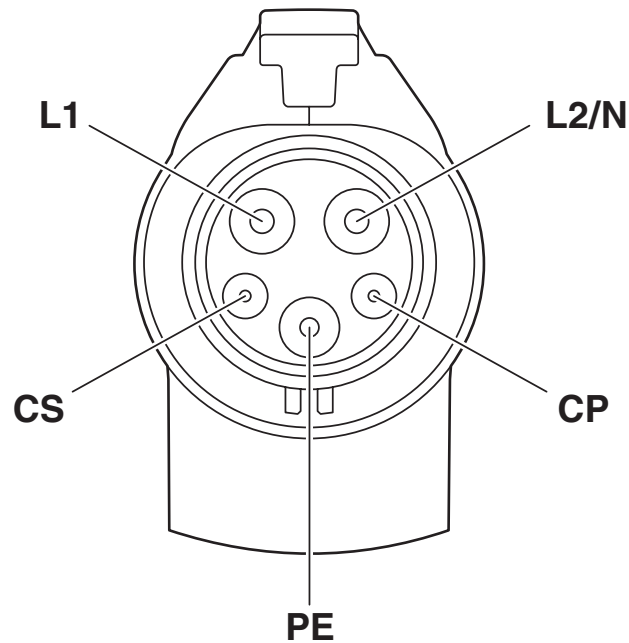
Terminology definition

EV-T1G2K-1AC32A-6,5M10ASBK01 - AC charging cable

1628420

<https://www.phoenixcontact.com/us/products/1628420>

Connection diagram



Pin assignment of the Vehicle Connector

EV-T1G2K-1AC32A-6,5M10ASBK01 - AC charging cable



1628420
<https://www.phoenixcontact.com/us/products/1628420>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1628420>

	cULus Recognized Approval ID: E473195-20160303			
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	250 V	32 A	- 10	-

EV-T1G2K-1AC32A-6,5M10ASBK01 - AC charging cable



1628420
<https://www.phoenixcontact.com/us/products/1628420>

Classifications

ECLASS

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

ETIM

ETIM 9.0	EC002897
----------	----------

UNSPSC

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

EV-T1G2K-1AC32A-6,5M10ASBK01 - AC charging cable



1628420
<https://www.phoenixcontact.com/us/products/1628420>

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)
SCIP	d9b4cfde-3e9f-4850-b764-b3290e93c543

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