

# EV-T2G3P-1AC32A-1,5M6,0ESBK01 - AC charging cable



1628115

<https://www.phoenixcontact.com/us/products/1628115>

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CHARX connect comfort, AC charging cable, with infrastructure charging plug and free cable end, for charging electric vehicles (EV) with alternating current (AC), with protective cap, Type 2, IEC 62196-2, 32 A / 250 V (AC), housing: black, gray, PHOENIX CONTACT logo, cable: 1.5 m, black, straight

## Product description

AC charging cable with Infrastructure Plug and open cable end for charging electric vehicles (EV) with alternating current (AC), compatible with type 2 Infrastructure Socket Outlets 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	1628115
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	XWBABC
GTIN	4055626385327
Weight per piece (including packing)	0.931 kg
Weight per piece (excluding packing)	0.881 kg
Country of origin	PL

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## Technical data

### Product properties

Product type	AC charging cable
Product family	CHARX connect comfort
Application	for charging electric vehicles (EV) with alternating current (AC) compatible with type 2 infrastructure charging sockets at charging stations for electromobility (EVSE)
Type	AC charging cable with infrastructure charging plug and free cable end
Design	with protective cap
Affixed logo	PHOENIX CONTACT logo
Charging mode	Mode 3
Charging standard	Type 2

### Electrical properties

Type of signal transmission	Pulse width modulation
Note on the connection method	Crimp connection, cannot be disconnected
Coding	220 $\Omega$ (between PE and PP)
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, PP)
Rated voltage	30 V AC
Rated current	2 A

### Dimensions

Width	58 mm
Height	131.8 mm
Depth	233.4 mm

### 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)
Material (Infrastructure charging plug)	Plastic

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Material (Cable outer sheath)	TPE-U
Material (Contact surface)	Silver

## Cable/line

Cable length	1.5 m
Wiring standards/regulations	prEN 50620/DIN EN 50620
Wiring certifications	VDE
Cable weight	max. 305.00 kg/km
Cable type	Class 5
Cable type	straight
Cable structure	3 x 6.0 mm <sup>2</sup> + 1 x 0.5 mm <sup>2</sup>
External cable diameter	12.80 mm ±0.4 mm
Outer sheath, material	TPE-U
Stripping length of the sheath	70 mm ±5 mm
Stripping length	70 mm ±5 mm
Cable resistance	≤ 0.0033 Ω/m (based on a power core, at an ambient temperature of 20°C)
Bending radius	min. 96 mm (7.5x diameter)

## 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 (Infrastructure charging plug)	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	IEC 62196-2
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## Classifications

### ECLASS

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

### ETIM

ETIM 9.0	EC002897
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### UNSPSC

UNSPSC 21.0	39121500
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## 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"

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