

# EV-T2G3P-3AC32A-3,0M6,0ESBK01 - AC charging cable



1013994

<https://www.phoenixcontact.com/gb/products/1013994>

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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, housing: black, gray, PHOENIX CONTACT logo, cable: 3 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	1013994
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	XWBABC
Product key	XWBABC
GTIN	4055626494289
Weight per piece (including packing)	1,815 g
Weight per piece (excluding packing)	1,815 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 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
Type of charging current	AC 3-phase
Charging power	26.6 kW
Charging current	32 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 (Cable outer sheath)	TPE-U
Material (Infrastructure charging plug)	Plastic
Material (Contact surface)	Silver

### Cable/line

Cable length	3 m
Wiring standards/regulations	prEN 50620/DIN EN 50620
Wiring certifications	VDE
Cable weight	max. 505 kg/km
Cable type	Class 5
Cable type	straight

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Cable structure	5 x 6.0 mm <sup>2</sup> + 1 x 0.5 mm <sup>2</sup>
External cable diameter	17 mm ±0.4 mm
Outer sheath, material	TPE-U
Stripping length of the sheath	70 mm ±2 mm
Cable resistance	≤ 0.0033 Ω/m (based on a power core, at an ambient temperature of 20°C)
Bending radius	min. 127.5 mm (7.5x diameter)

## 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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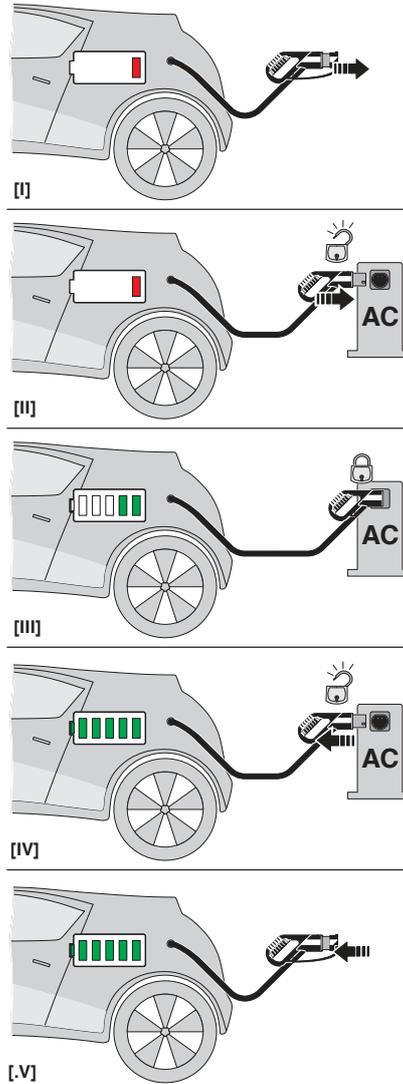
# EV-T2G3P-3AC32A-3,0M6,0ESBK01 - AC charging cable

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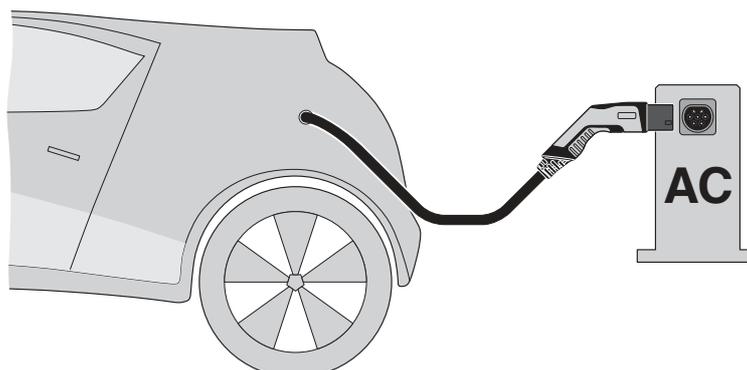
## Drawings

Schematic diagram



## Operating instructions

Schematic diagram



## Terminology definition

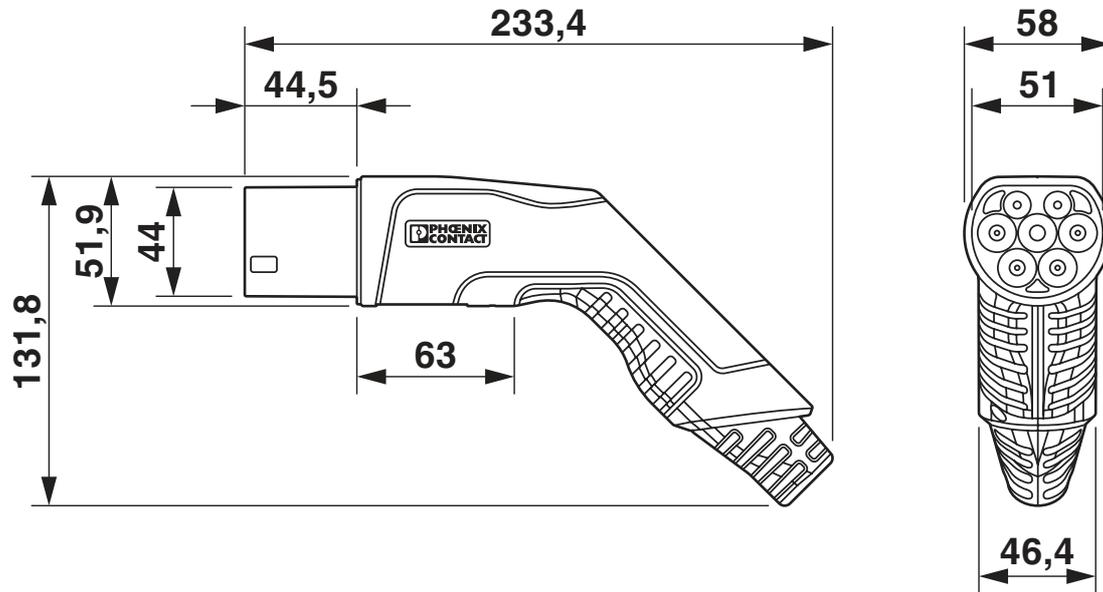
# EV-T2G3P-3AC32A-3,0M6,0ESBK01 - AC charging cable



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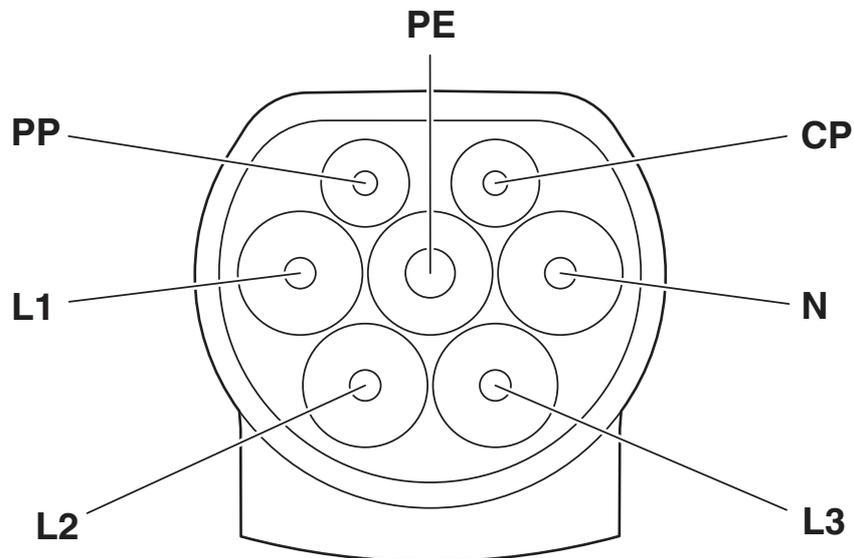
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Dimensional drawing



Infrastructure plug

Connection diagram



Pin assignment of Infrastructure Plug

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/1013994>

 <b>IECEE CB Scheme</b> Approval ID: DE1-60744				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	480 V	32 A	-	-

 <b>VDE Zeichengenehmigung</b> Approval ID: 40045392				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	480 V	32 A	-	-

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## Classifications

### ECLASS

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

### ETIM

ETIM 8.0	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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## Accessories

### EV-T2M3SE12-3AC32A-0,7M6,0E10 - Infrastructure charging socket

1405214

<https://www.phoenixcontact.com/gb/products/1405214>



CHARX connect basic, Infrastructure charging socket, square, for charging electric vehicles (EV) with alternating current (AC), Type 2, IEC 62196-2, 32 A / 480 V (AC), Single wires, length: 0.7 m, locking actuator: 12 V, 4-pos., Rear panel mounting, housing: black, PHOENIX CONTACT logo

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