

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



1628115

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

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 infrastructure charging plug and free cable end, with protective cap, Housing color black-black, For charging electric vehicles (EV) with alternating current (AC), compatible with type 2 infrastructure charging sockets at charging stations for electromobility (EVSE), Type 2, IEC 62196-2, 32 A / 250 V (AC), C-Line, "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

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



1628115

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

## Commercial Data

Item number	1628115
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	XWBABC
Product Key	XWBABC
GTIN	4055626385327
Weight per Piece (including packing)	0.931 kg
Weight per Piece (excluding packing)	0.881 kg
Customs tariff number	85444290
Country of origin	DE

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



1628115

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

## Technical Data

### Product properties

Product type	AC charging cable
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 with protective cap Housing color black-black
Affixed logo	"PHOENIX CONTACT" logo
Charging mode	Mode 3
Charging standard	Type 2

### Electrical properties

Number of phases	1
Type of signal transmission	Pulse width modulation
Type of charging current	AC single-phase
Note on the connection method	Crimp connection, cannot be disconnected
Coding	220 Ω (between PE and PP)
Maximum capacity	8 kW

### 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

Dimensional drawing	
Width	58 mm (Infrastructure charging plug)
Height	131.8 mm (Infrastructure charging plug)
Depth	233.4 mm (Infrastructure charging plug)

### Material specifications

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



1628115

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

Housing material	Plastic
Material of grip body	Soft plastic
Material protective cap	Soft plastic
Material mating face	Plastic
Material surface of contacts	Silver Ag

## Design

Color Housing	black
Color Connection profile	black
Color Handle area	gray
Color Protective cap	black
Customer variations	On request

## Cable / line

Cable length	1.5 m
Wiring standards/regulations	prEN 50620 / DIN EN 50620
Wiring certifications	VDE
Cable weight	max. 305 kg/km
Type of cable	straight
Cable structure	3 x 6.0 mm <sup>2</sup> + 1 x 0.5 mm <sup>2</sup>
Cable type	Class 5
External cable diameter	12.8 mm ±0.4 mm
Outer sheath, material	TPE-U
External sheath, color	black
Conductor resistance	≤ 0.0033 Ω/m (based on a power core, at an ambient temperature of 20°C)

## Cable structure

Stripping length of the sheath	70 mm ±5 mm
--------------------------------	-------------

## Mechanical properties

### Design

Design	C-Line
--------	--------

### Mechanical data

Insertion force	< 100 N
Withdrawal force	< 100 N

### Design

Design	C-Line
Customer variations	On request

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-30 °C ... 50 °C
---------------------------------	------------------

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



1628115

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

Ambient temperature (storage/transport)	-40 °C ... 80 °C
Altitude	5000 m (above sea level)

## Standards and regulations

### Standards

Standards/regulations	IEC 62196-2
-----------------------	-------------

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

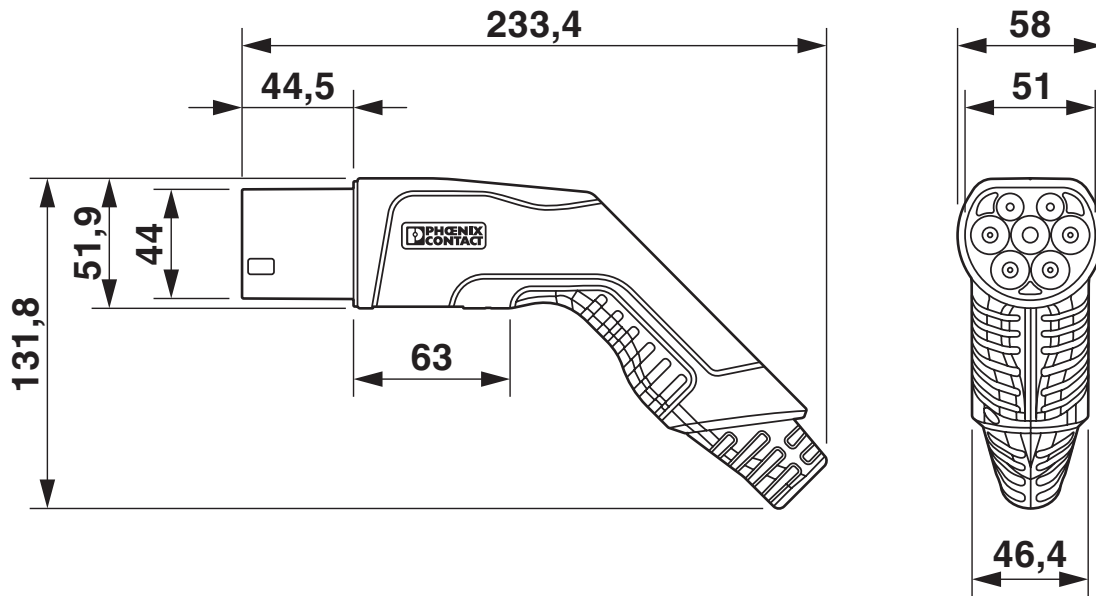


1628115

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

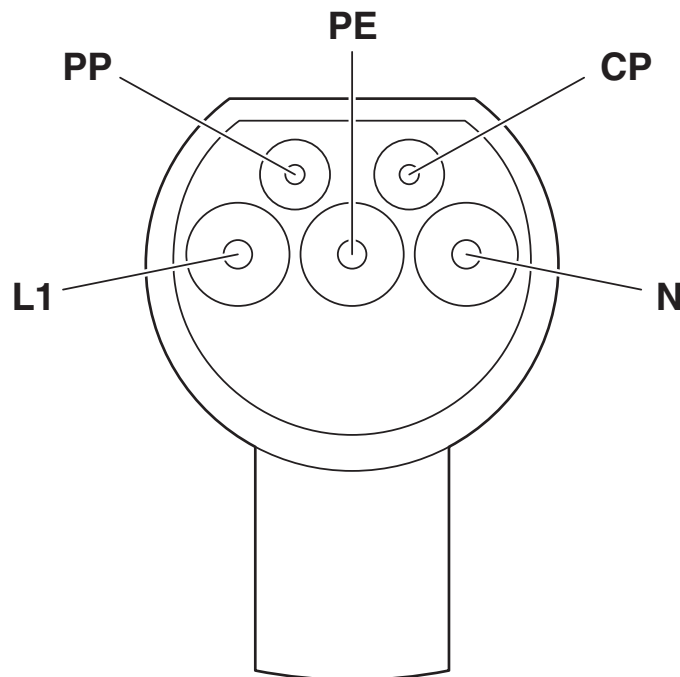
## Drawings

Dimensional drawing



## Infrastructure plug

Connection diagram



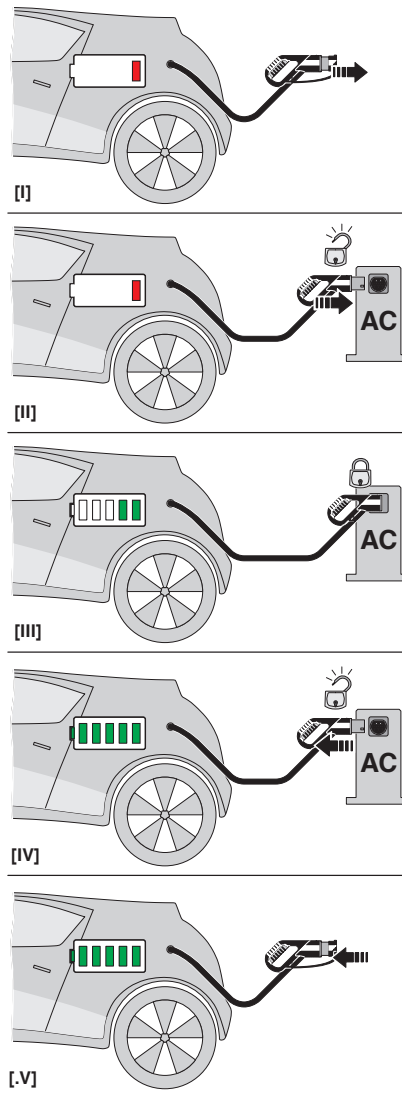
## Pin assignment of Infrastructure Plug

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

1628115

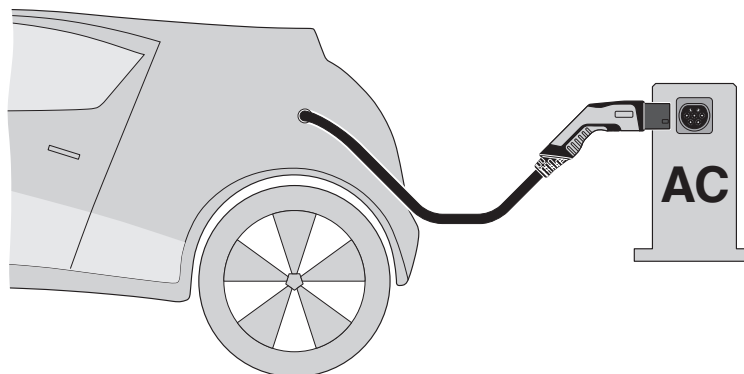
<https://www.phoenixcontact.com/gb/products/1628115>

## Schematic diagram



## Operating instructions

### Schematic diagram



## Terminology definition


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




1628115

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

## Approvals

IECEE CB Scheme 	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $\text{mm}^2$
	250 V	32 A	-	-

VDE Zeichengenehmigung 	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $\text{mm}^2$
	250 V	32 A	-	-



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



1628115

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

## Classifications

### ECLASS

ECLASS-9.0	27144705
ECLASS-10.0.1	27144705
ECLASS-11.0	27144705

### ETIM

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

### UNSPSC

UNSPSC 21.0	39121522
-------------	----------

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



1628115

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

## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 10; For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

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



1628115

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

## Accessories

### Socket Outlet

Socket Outlet - EV-T2M3SE24-3AC32A-0,7M6,0E10 - 1405216



CHARX connect, Socket Outlet, rear protective cover screw connection, For charging electric vehicles (EV) with alternating current (AC), compatible with infrastructure charging plugs, Type 2, IEC 62196-2, 32 A / 480 V (AC), Single wires, length: 0.7 m, Rear panel mounting, Generation 1, "PHOENIX CONTACT" logo

---

Phoenix Contact 2022 © - all rights reserved  
<https://www.phoenixcontact.com>

PHOENIX CONTACT Ltd  
Halesfield 13, Telford  
Shropshire, TF7 4PG  
01952 681700  
[info@phoenixcontact.co.uk](mailto:info@phoenixcontact.co.uk)