

# EV-T2G3PC-1AC32A-10,0M6,0ESBK0 - AC charging cable



1628200

<https://www.phoenixcontact.com/us/products/1628200>

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, Mobile AC charging cable, with vehicle charging connector and infrastructure charging plug, for charging electric vehicles (EV) with alternating current (AC) via type 2 vehicle charging inlets, with protective cap, Type 2, IEC 62196-2, 32 A / 250 V (AC), housing: black, gray, PHOENIX CONTACT logo, cable: 10 m, black, straight

## Product description

Mobile AC charging cable with vehicle charging connector and infrastructure charging plug for charging electric vehicles (EV) with alternating current (AC) via type 2 vehicle charging inlets, compatible with type 2 infrastructure charging sockets 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                          | 1628200       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Product key                          | XWBAEC        |
| GTIN                                 | 4055626395630 |
| Weight per piece (including packing) | 3,134 g       |
| Weight per piece (excluding packing) | 3,134 g       |
| Country of origin                    | PL            |

# EV-T2G3PC-1AC32A-10,0M6,0ESBK0 - AC charging cable



1628200

<https://www.phoenixcontact.com/us/products/1628200>

## 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 2 vehicle charging inlets<br>compatible with type 2 infrastructure charging sockets at charging stations for electromobility (EVSE) |
| Type              | Mobile AC charging cable<br>with vehicle charging connector and infrastructure charging plug   |
| Design            | with protective cap  |
| Affixed logo      | PHOENIX CONTACT logo   |
| Charging mode     | Mode 3, Case B   |
| 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

### Infrastructure charging plug

|                     |                            |
|---------------------|----------------------------|
| Dimensional drawing | <p>Infrastructure plug</p> |
| Width               | 58 mm                      |

# EV-T2G3PC-1AC32A-10,0M6,0ESBK0 - AC charging cable

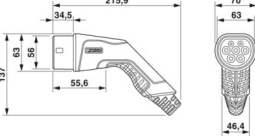


1628200

<https://www.phoenixcontact.com/us/products/1628200>

|        |          |
|--------|----------|
| Height | 131.8 mm |
| Depth  | 233.4 mm |

## Vehicle charging connector

|                     |   |
|---------------------|---|
| Dimensional drawing |  <p>Vehicle connector</p> |
| Width               | 70 mm   |
| Height              | 137 mm  |
| Depth               | 215.9 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 (Vehicle charging connector)   | Plastic      |
| Material (Infrastructure charging plug) | Plastic      |
| Material (Cable outer sheath)           | TPE-U        |
| Material (Contact surface)              | Silver       |

## Cable/line

|                              |   |
|------------------------------|---|
| Cable length                 | 10 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 4.0 mm <sup>2</sup> + 1 x 0.5 mm <sup>2</sup>                       |
| External cable diameter      | 11.50 mm ±0.3 mm  |
| Outer sheath, material       | TPE-U   |
| 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 |

# EV-T2G3PC-1AC32A-10,0M6,0ESBK0 - AC charging cable



1628200

<https://www.phoenixcontact.com/us/products/1628200>

## Environmental and real-life conditions

### Ambient conditions

|   |  |
|---|--|
| Degree of protection (Vehicle charging connector)   | 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 (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)                     | -40 °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 |
|-----------------------|-------------|

# EV-T2G3PC-1AC32A-10,0M6,0ESBK0 - AC charging cable



1628200

<https://www.phoenixcontact.com/us/products/1628200>

## 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-T2G3PC-1AC32A-10,0M6,0ESBK0 - AC charging cable



1628200

<https://www.phoenixcontact.com/us/products/1628200>

## 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" |

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](mailto:info@phoenixcon.com)