# AC charging cable - EV-TBG3JC-1AC32A-5,0M6,0ESBK01 - 1627688

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CHARX connect, Mobile AC charging cable with vehicle charging connector and infrastructure charging plug, with protective caps, Housing color black-gray, with locking option for padlock, for charging electric vehicles (EV) with alternating current (AC) via type 2 vehicle charging inlets, Compatible with GB/T infrastructure charging sockets at charging stations for electromobility (EVSE), Type 2, GB/T, IEC 62196-2, GB/T 20234.2-2015, 32 A / 250 V (AC), C-Line, “PHOENIX CONTACT” logo, cable: 5 m, black, straight

## Product Description

Mobile AC charging cable with Vehicle Connector and Infrastructure Plug for charging electric vehicles (EV) with alternating current (AC), via type 2 Vehicle Inlets, compatible with GB/T Infrastructure Socket Outlets at charging stations for E-Mobility (EVSE)

## Your advantages

- Consistent design of all Phoenix Contact Vehicle Connectors and Infrastructure Plugs
- Silver-plated surface of the power and signal contacts
- Certified in accordance with IATF 16949:2016 and ISO 9001:2015
- Convenient handling, thanks to the ergonomic handle and additional, rubber grip components
- Tested in accordance with selected tests of automotive standards LV124, LV214, LV215-2
- Reliable function of the locking lever with additional seal
- Optional locking option with a U-lock
- Consistent longitudinal water tightness prevents water ingress in the cable

RoHS

## Key Commercial Data

| | |
|---|---|
| Packing unit | 1 |
| GTIN | 4 055626 357454 |
| GTIN | 4055626357454 |
| Custom tariff number | 85444290 |

## Technical data

### Product definition

| | |
|---|---|
| Type | Mobile AC charging cable |

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## Technical data

### Product definition

| | |
|---|---|
| | with vehicle charging connector and infrastructure charging plug |
| | with protective caps |
| | Housing color black-gray |
| | with locking option for padlock |
| Application | for charging electric vehicles (EV) with alternating current (AC) via type 2 vehicle charging inlets |
| | Compatible with GB/T infrastructure charging sockets at charging stations for electromobility (EVSE) |
| Affixed logo | “PHOENIX CONTACT” logo |
| Design | C-Line |
| Standards/regulations | IEC 62196-2 |
| | GB/T 20234.2-2015 |
| Charging standard | Type 2 |
| | GB/T |
| Charging mode | Mode 3, Case B |

### Dimensions

| | |
|---|---|
| Height | 137 mm (Vehicle charging connector) |
| | 151.3 mm (Infrastructure charging plug) |
| Width | 70 mm (Vehicle charging connector) |
| | 58 mm (Infrastructure charging plug) |
| Depth | 215.9 mm (Vehicle charging connector) |
| | 249.2 mm (Infrastructure charging plug) |
| Conductor length | 5 m |
| Stripping length | 60 mm ±15 mm |

### Ambient conditions

| | |
|---|---|
| Ambient temperature (operation) | -30 °C ... 50 °C |
| Ambient temperature (storage/transport) | -40 °C ... 80 °C |
| Max. altitude | 5000 m (above sea level) |
| Degree of protection | IP55 (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) |
| | IP54 (Protective cap) |

### Electrical properties

| | |
|---|---|
| Maximum charging power | 8 kW |
| Number of phases | 1 |
| Number of power contacts | 3 (L, N, PE) |
| Rated current of power contacts | 32 A |

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### Electrical properties

| | |
|---|---|
| Rated voltage for power contacts | 250 V |
| Number of signal contacts | 2 (CP, CC) |
| Rated current for signal contacts | 2 A |
| Rated voltage for signal contacts | 30 V AC |
| Type of signal transmission | Pulse width modulation |
| Note on the connection method | Crimp connection, cannot be disconnected |
| Resistor coding | 220 Ω + 3,.3 kΩ (Lever actuated) |
| | 220 Ω (Lever not actuated) |

### Mechanical properties

| | |
|---|---|
| Insertion/withdrawal cycles | > 10000 |
| Insertion force | < 100 N |
| Withdrawal force | < 100 N |

### Design

| | |
|---|---|
| Design line | C-Line |
| Housing color | black |
| Mating face color | black |
| Color handle area | gray |
| Actuating element color | silver |
| Color protective cap | black |
| Customer variations | On request |

### Material

| | |
|---|---|
| Housing material | Plastic |
| Material handle area | Soft plastic |
| Actuating lever material | Metal |
| Material protective cap | Soft plastic |
| Material mating face | Plastic |
| Material surface of contacts | Ag |

### Cable

| | |
|---|---|
| Cable structure | 3 x 6.0 mm² + 1 x 0.5 mm² |
| Wiring standards/regulations | prEN 50620 / DIN EN 50620 |
| Wiring class | Class 5 |
| Wiring certifications | VDE |
| External cable diameter | 12.8 mm ±0.4 mm |
| Type of conductor | straight |
| Cable resistance | ≤ 0.0033 Ω/m (based on a power core, at an ambient temperature of 20°C) |

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## Technical data

### Cable

| | |
|---|---|
| Outer sheath, material | TPE-U |
| External sheath, color | black |
| Minimum bending radius | 96 mm (7.5 x diameter) |
| Cable weight | max. 305 kg/km |

### Locking

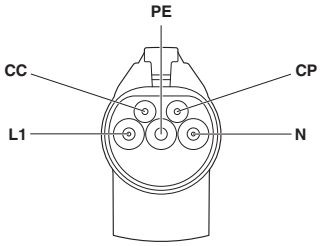
| | |
|---|---|
| Locking type | Locking option for actuating lever with 4 mm U-lock |

### 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” |

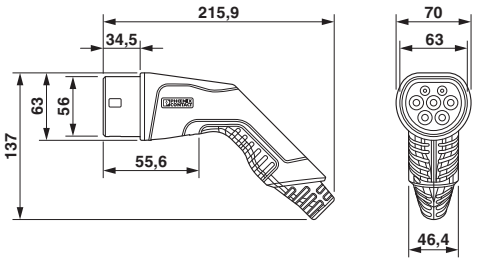
## Drawings

Connection diagram



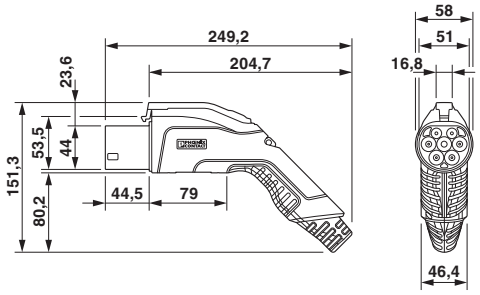

Pin assignment of Infrastructure Plug

Dimensional drawing



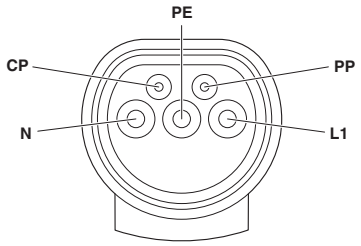

Vehicle connector

Dimensional drawing




Infrastructure plug

Schematic diagram




Pin assignment of the Vehicle Connector

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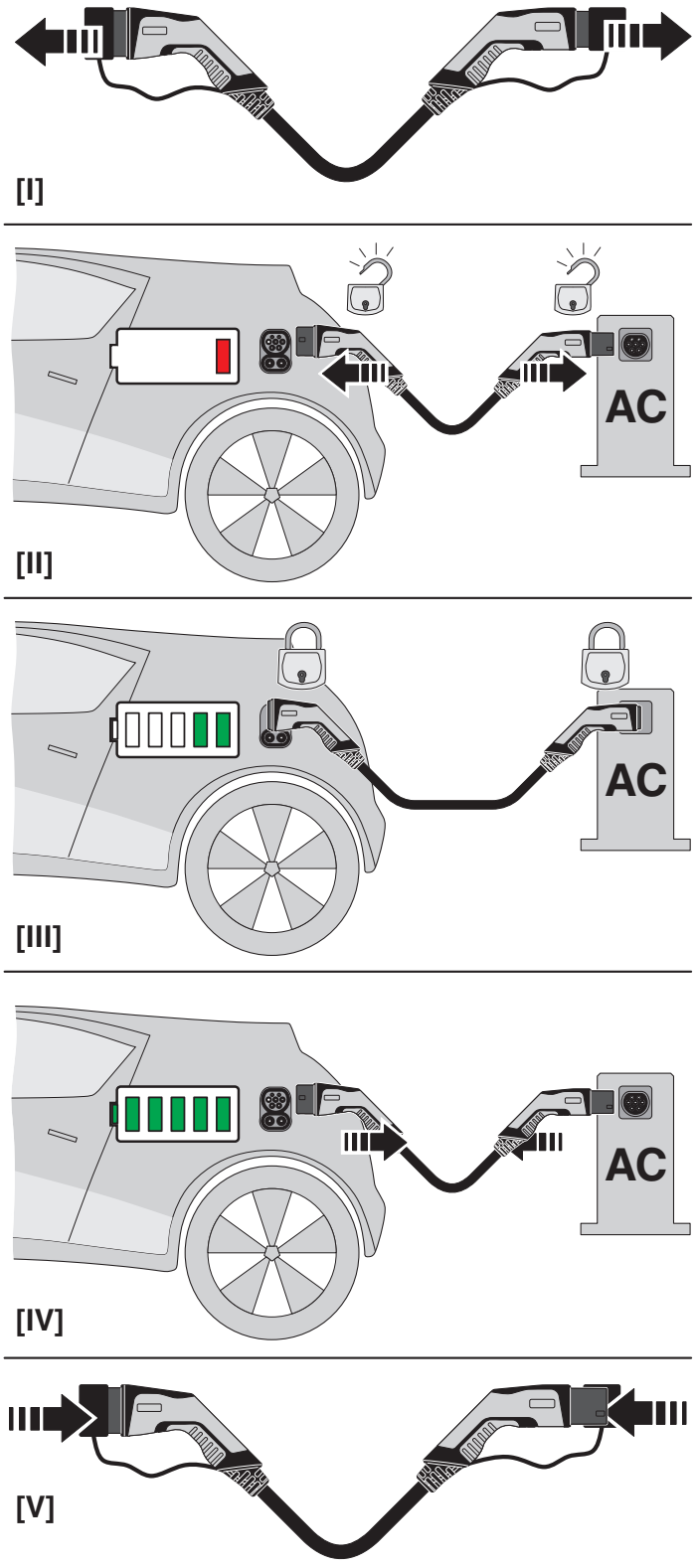
Schematic diagram



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## Classifications

### eCl@ss

| | |
|---|---|
| eCl@ss 10.0.1 | 27144705 |
| eCl@ss 11.0 | 27144705 |
| eCl@ss 4.0 | 27140800 |
| eCl@ss 4.1 | 27140800 |
| eCl@ss 5.0 | 27143400 |
| eCl@ss 5.1 | 27143400 |
| eCl@ss 6.0 | 27143400 |
| eCl@ss 7.0 | 27449001 |
| eCl@ss 9.0 | 27144705 |

### ETIM

| | |
|---|---|
| ETIM 3.0 | EC002061 |
| ETIM 4.0 | EC002061 |
| ETIM 6.0 | EC002897 |
| ETIM 7.0 | EC002897 |

### UNSPSC

| | |
|---|---|
| UNSPSC 6.01 | 30211923 |
| UNSPSC 7.0901 | 39121522 |
| UNSPSC 11 | 39121522 |
| UNSPSC 12.01 | 39121522 |
| UNSPSC 13.2 | 39121522 |
| UNSPSC 18.0 | 39121522 |
| UNSPSC 19.0 | 39121522 |
| UNSPSC 20.0 | 39121522 |
| UNSPSC 21.0 | 39121522 |