

# EV-TAG3PK-1AC32A-10M6,0ESBK01 - AC charging cable



1628210

<https://www.phoenixcontact.com/us/products/1628210>

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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 1 vehicle charging inlets, with protective cap, with locking option for padlock, Type 1, Type 2, IEC 62196-2, SAE J1772, 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 1 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                          | 1628210       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | EM01          |
| Product key                          | XWBAEE        |
| GTIN                                 | 4055626398808 |
| Weight per piece (including packing) | 4,182 g       |
| Weight per piece (excluding packing) | 4,123 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) via type 1 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<br>with locking option for padlock   |
| Affixed logo      | PHOENIX CONTACT logo   |
| Charging mode     | Mode 3, Case B   |
| Charging standard | Type 1<br>Type 2   |

### Electrical properties

|                               |  |
|-------------------------------|--|
| Type of signal transmission   | Pulse width modulation   |
| Note on the connection method | Crimp connection, cannot be disconnected                           |
| Coding                        | 480 $\Omega$ (Lever actuated)<br>150 $\Omega$ (Lever not actuated) |
| 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, CS) |
| Rated voltage | 30 V AC    |
| Rated current | 2 A        |

## Dimensions

### Infrastructure charging plug

|                     |  |
|---------------------|--|
| Dimensional drawing |  |
|---------------------|--|

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|        |                     |
|--------|---------------------|
|        | Infrastructure plug |
| Width  | 58 mm               |
| Height | 131.8 mm            |
| Depth  | 233.4 mm            |

## Vehicle charging connector

|        |          |
|--------|----------|
| Width  | 58 mm    |
| Height | 151.1 mm |
| Depth  | 236.1 mm |

## Material specifications

|   |                    |
|---|--------------------|
| Color (Housing)                         | black (9005)       |
| Color (Handle area)                     | black (9005)       |
| Color (Actuating element)               | silver grey (7001) |
| 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 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   |
| 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             | < 75 N  |
| Withdrawal force            | < 75 N  |

## Environmental and real-life conditions

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## Ambient conditions

|   |   |
|---|---|
| Degree of protection (Vehicle charging inlet)       | IP44 (plugged in; when plugged in and ready to operate, the degree of protection is only ensured 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 ensured 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 |
|                       | SAE J1772   |

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## Classifications

### ECLASS

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

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC002897 |
|----------|----------|

### 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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