

EV-T1G2C-1AC32A-25FT10ASBK11U - AC charging cable



1285923

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CHARX connect comfort, AC charging cable, with vehicle charging connector and open cable end, for charging electric vehicles (EV) with alternating current (AC) via type 1 vehicle charging inlets, without protective cap, Type 1, SAE J1772, 32 A / 250 V (AC), PHOENIX CONTACT logo, cable: 25 ft, black, straight, NOTE: Cable management may be required.

Product description

AC charging cable with vehicle charging connector and free cable end for charging electric vehicles (EV) with alternating current (AC) via type 1 vehicle charging inlets, for installation 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 | 1285923 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | EM01 |
| Product key | XWBAAA |
| GTIN | 4063151493226 |
| Weight per piece (including packing) | 3,138 g |
| Weight per piece (excluding packing) | 3,138 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 for installation at charging stations for electromobility (EVSE) |
| Type | AC charging cable with vehicle charging connector and open cable end |
| Design | without protective cap |
| Affixed logo | PHOENIX CONTACT logo |
| Charging mode | AC level 2 |
| Charging standard | Type 1 |

Electrical properties

| | |
|-------------------------------|--|
| Type of signal transmission | Pulse width modulation |
| Note on the connection method | Crimp connection, cannot be disconnected |
| Coding | 480 Ω (Lever actuated) 150 Ω (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

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) |

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| | |
|---------------------------------------|--------------|
| Color (Mating face) | black (9005) |
| Color (Protective cap) | black (9005) |
| Color (Cable) | black (9005) |
| Material (Vehicle charging connector) | Plastic |
| Material (Cable outer sheath) | TPE-U |
| Material (Contact surface) | Silver |

Cable/line

| | |
|--------------------------------|--|
| Cable length | 25 ft |
| Wiring standards/regulations | UL 62 FFSO7.E343212 |
| Cable weight | max. 385.00 kg/km |
| Cable type | straight |
| Cable structure | 3 x 10 AWG + 1 x 18 AWG |
| External cable diameter | 17.00 mm ±0.4 mm |
| Outer sheath, material | TPE |
| Stripping length of the sheath | 70 mm ±5 mm |
| Stripping length | 70 mm ±5 mm |
| Cable resistance | ≤ 0.00351 Ω/m (based on a power core, at an ambient temperature of 20°C) |
| Bending radius | min. 255 mm (15x diameter) |

Mechanical properties

Mechanical data

| | |
|-----------------------------|---------|
| Insertion/withdrawal cycles | > 10000 |
| Insertion force | < 75 N |
| Withdrawal force | < 75 N |

Environmental and real-life conditions

Ambient conditions

| | |
|---|--|
| Degree of protection (Vehicle charging inlet) | 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

Connection in accordance with standard

| | |
|-------------------------------------|--|
| Normative cable length restrictions | NOTE: Cable management may be required. Cable management is required in the US if the cable length exceeds 7.5 m (IEC 61851-1). |
|-------------------------------------|--|

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Standards

Standards/regulations

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 |
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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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