

EV-T1G3K-1AC32A-5,0M6,0ESBK01 - AC charging cable



1627356

<https://www.phoenixcontact.com/us/products/1627356>

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, 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, with protective cap, with locking option for padlock, Type 1, IEC 62196-2, SAE J1772, 32 A / 250 V (AC), housing: black, gray, PHOENIX CONTACT logo, cable: 5 m, black, straight

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 | 1627356 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Product key | XWBAAA |
| Catalog page | Page 24 (C-7-2019) |
| GTIN | 4055626317007 |
| Weight per piece (including packing) | 2,059 g |
| Weight per piece (excluding packing) | 1,987 g |
| Country of origin | PL |

EV-T1G3K-1AC32A-5,0M6,0ESBK01 - AC charging cable



1627356

<https://www.phoenixcontact.com/us/products/1627356>

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 | with protective cap with locking option for padlock |
| Affixed logo | PHOENIX CONTACT logo |
| Charging mode | Mode 3, Case C |
| 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) |

EV-T1G3K-1AC32A-5,0M6,0ESBK01 - AC charging cable



1627356

<https://www.phoenixcontact.com/us/products/1627356>

| | |
|---------------------------------------|--------------------|
| 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 (Cable outer sheath) | TPE-U |
| Material (Contact surface) | Silver |

Cable/line

| | |
|--------------------------------|---|
| Cable length | 5 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 ² + 1 x 0.5 mm ² |
| External cable diameter | 12.80 mm ±0.4 mm |
| Outer sheath, material | TPE-U |
| Stripping length of the sheath | 70 mm ±5 mm |
| Stripping length | 70 mm ±5 mm |
| 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

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

Standards

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

EV-T1G3K-1AC32A-5,0M6,0ESBK01 - AC charging cable



1627356

<https://www.phoenixcontact.com/us/products/1627356>

SAE J1772

EV-T1G3K-1AC32A-5,0M6,0ESBK01 - AC charging cable



1627356

<https://www.phoenixcontact.com/us/products/1627356>

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-T1G3K-1AC32A-5,0M6,0ESBK01 - AC charging cable



1627356

<https://www.phoenixcontact.com/us/products/1627356>

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