

# AC charging cable - EV- T2G3C-3AC32A-5,0M6,0ESBK01 - 1627355

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AC charging cable with Vehicle Connector, open cable end, with protective cap, Type 2, IEC 62196-2, 32 A / 480 V (AC), Design line C-Line, Cable: 5 m, black, straight, Mating face: black, Handle area: gray

## Article description

AC charging cable with Vehicle Connector and open cable end for charging electric vehicles (EV) with alternating current (AC) via type 2 Vehicle Inlets, for installation at charging stations for E-Mobility (EVSE)

## Your advantages

- Uniform design of all Phoenix Contact Vehicle Connectors and Infrastructure Plugs
- Silver-plated surface of the power and signal contacts
- Production in accordance with ISO TS 16949
- Material data available in the IMDS (International Material Data System of the automotive industry)
- Ergonomic round handle
- Tested in accordance with selected tests of automotive standards LV124, LV214, LV215-2
- Consistent watertightness prevents water ingress in the cable

## Key commercial data

<b>package_quantity</b>	1
<b>GTIN</b>	4055626315171

## Technical data

### Product definition

<b>Product type</b>	AC charging cable with Vehicle Connector, open cable end, with protective cap
<b>Type</b>	C-Line black / gray
<b>Standards/regulations</b>	IEC 62196-2
<b>Charging standard</b>	Type 2
<b>Charging mode</b>	Mode 3, Case C
<b>Type of charging current</b>	AC 3-phase

### Dimensions

<b>Vehicle connector width</b>	70.00 mm
<b>Vehicle connector height</b>	137.00 mm
<b>Vehicle connector depth</b>	215.90 mm
<b>Conductor length</b>	5 m

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## Technical data

### Dimensions

<b>Stripping length</b>	60 mm ±15 mm
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### Ambient conditions

<b>Ambient temperature (operation)</b>	-30 °C ... 50 °C
<b>Ambient temperature (storage/transport)</b>	-40 °C ... 80 °C
<b>Max. altitude</b>	5000 m (above sea level)
<b>Degree of protection</b>	IP44 (plugged in)
<b>Degree of protection</b>	IP54 (Protective cap)

### Electrical properties

<b>Maximum charging power</b>	26.6 kW
<b>Number of phases</b>	3
<b>Number of power contacts</b>	5 (L1, L2, L3, N, PE)
<b>Rated current of power contacts</b>	32 A
<b>Rated voltage for power contacts</b>	480 V AC
<b>Number of signal contacts</b>	2 (CP, PP)
<b>Rated current for signal contacts</b>	2 A
<b>Rated voltage for signal contacts</b>	30 V AC
<b>Type of signal transmission</b>	Pulse width modulation
<b>Resistor coding</b>	220 Ω (between PE and PP)

### Mechanical properties

<b>Insertion/withdrawal cycles</b>	> 10000
<b>Insertion force</b>	< 100 N
<b>Withdrawal force</b>	< 100 N

### Design

<b>Design line</b>	C-Line
<b>Housing color</b>	black
<b>Pin connector pattern color</b>	black
<b>Color handle area</b>	gray
<b>Color protective cap</b>	black
<b>Customer variations</b>	On request

### Material

<b>Housing material</b>	Plastic
<b>Material connection profile</b>	Plastic
<b>Material handle area</b>	Soft plastic
<b>Material protective cap</b>	Soft plastic
<b>Material surface of contacts</b>	Ag

### Cable

<b>Cable structure</b>	5 x 6.0 mm <sup>2</sup> + 1 x 0.5 mm <sup>2</sup> (prEN 50620, VDE Reg. 8789 class 5)
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## Technical data

### Cable

<b>External cable diameter</b>	17 mm ±0.4 mm
<b>Type of conductor</b>	straight
<b>Outer sheath, material</b>	TPE-U
<b>External sheath, color</b>	black
<b>Minimum bending radius</b>	255 mm (15 x diameter)

### Environmental Product Compliance

<b>China RoHS</b>	Environmentally Friendly Use Period = 10;
<b>China RoHS</b>	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Classifications

### eCl@ss

<b>eCl@ss 4.0</b>	272607xx
<b>eCl@ss 4.1</b>	27260701
<b>eCl@ss 5.0</b>	27260701
<b>eCl@ss 5.1</b>	27059290
<b>eCl@ss 6.0</b>	27279220
<b>eCl@ss 7.0</b>	27440103
<b>eCl@ss 8.0</b>	27449001
<b>eCl@ss 9.0</b>	27144705

### ETIM

<b>ETIM 3.0</b>	EC002061
<b>ETIM 4.0</b>	EC002061
<b>ETIM 5.0</b>	EC002839
<b>ETIM 6.0</b>	EC002839

### UNSPSC

<b>UNSPSC 6.01</b>	30211923
<b>UNSPSC 7.0901</b>	39121522
<b>UNSPSC 11</b>	39121522
<b>UNSPSC 12.01</b>	39121522
<b>UNSPSC 13.2</b>	39121522

## Accessories

### Park position

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## Accessories

EV-T2AC-PARK - 1624148



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## AC charging controller

EV-CC-AC1-M3-CC-SER-HS - 1622459



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EV-CC-AC1-M3-CC-SER-PCB - 1622460



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EV-CC-AC1-M3-CC-SER-PCB-XC-25X - 1627742



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EV-CC-AC1-M3-CC-SER-PCB-MSTB - 1627367



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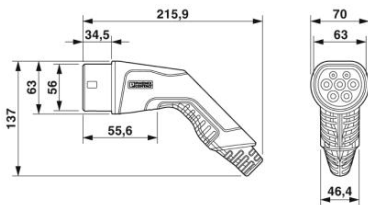
## Accessories

EM-CP-PP-ETH - 2902802



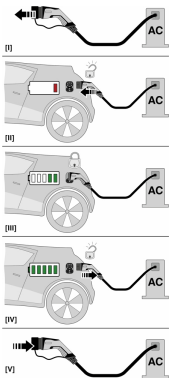
## Drawings

### Dimensional drawing



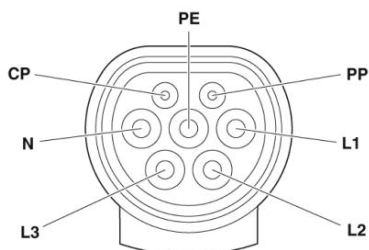
Dimensional drawing of Vehicle Connector

### Schematic diagram



### Operating instructions

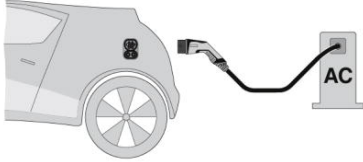
### Schematic diagram



Pin assignment of the Vehicle Connector

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Schematic diagram



Terminology definition

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