

# AC charging cable - EV-T2G3C-1AC32A-4,0M6,0EHBK01 - 1627127

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AC charging cable with Vehicle Connector, open cable end, with protective cap, Type 2, IEC 62196-2, 32 A / 250 V (AC), design line C-Line, cable: 4 m, black, spiraled, mating face: black, handle area: gray

## Product 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)

## Why buy this product

- 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
- Material data available in the IMDS (International Material Data System of the automotive industry)
- 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
- Consistent longitudinal water tightness prevents water ingress in the cable



## Key Commercial Data

Packing unit	1 STK
GTIN	 4 055626 299426
GTIN	4055626299426

## Technical data

### Product definition

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

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## Technical data

### Dimensions

Vehicle connector width	70.00 mm
Vehicle connector height	137.00 mm
Vehicle connector depth	215.90 mm
Conductor length	4 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	IP44 (plugged in)
	IP54 (Protective cap)

### Electrical properties

Maximum charging power	8 kW
Number of phases	1
Number of power contacts	3 (L1, N, PE)
Rated current of power contacts	32 A
Rated voltage for power contacts	250 V AC
Number of signal contacts	2 (CP, PP)
Rated current for signal contacts	2 A
Rated voltage for signal contacts	30 V AC
Type of signal transmission	Pulse width modulation
Resistor coding	220 Ω (between PE and PP)

### 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
Color protective cap	black
Customer variations	On request

### Material

Housing material	Plastic
Material handle area	Soft plastic
Material protective cap	Soft plastic
Material mating face	Plastic

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## Technical data

### Material

Flammability rating	V0
Material surface of contacts	Ag

### Cable

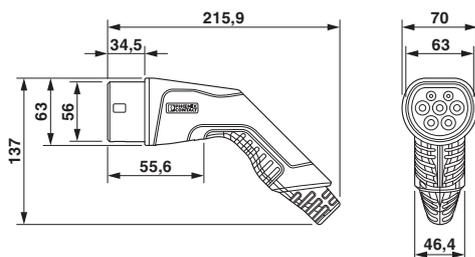
Cable structure	3 x 6.0 mm <sup>2</sup> + 1 x 0.5 mm <sup>2</sup>
Wiring standards/regulations	prEN 50620 / DIN EN 50620
Wiring class	Class 5
Wiring certifications	VDE
External cable diameter	12.8 mm ±0.4 mm
Type of conductor	spiraled
Outer sheath, material	TPE-U
External sheath, color	black
Minimum bending radius	192 mm (15 x diameter)
Coil diameter	60 mm ±10 %
Block length	0.63 m ±10 %
Effective length	max. 4 m ±5 %

### Environmental Product Compliance

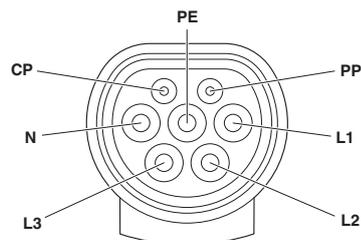
China RoHS	Environmentally Friendly Use Period = 10;
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings

Dimensional drawing



Schematic diagram

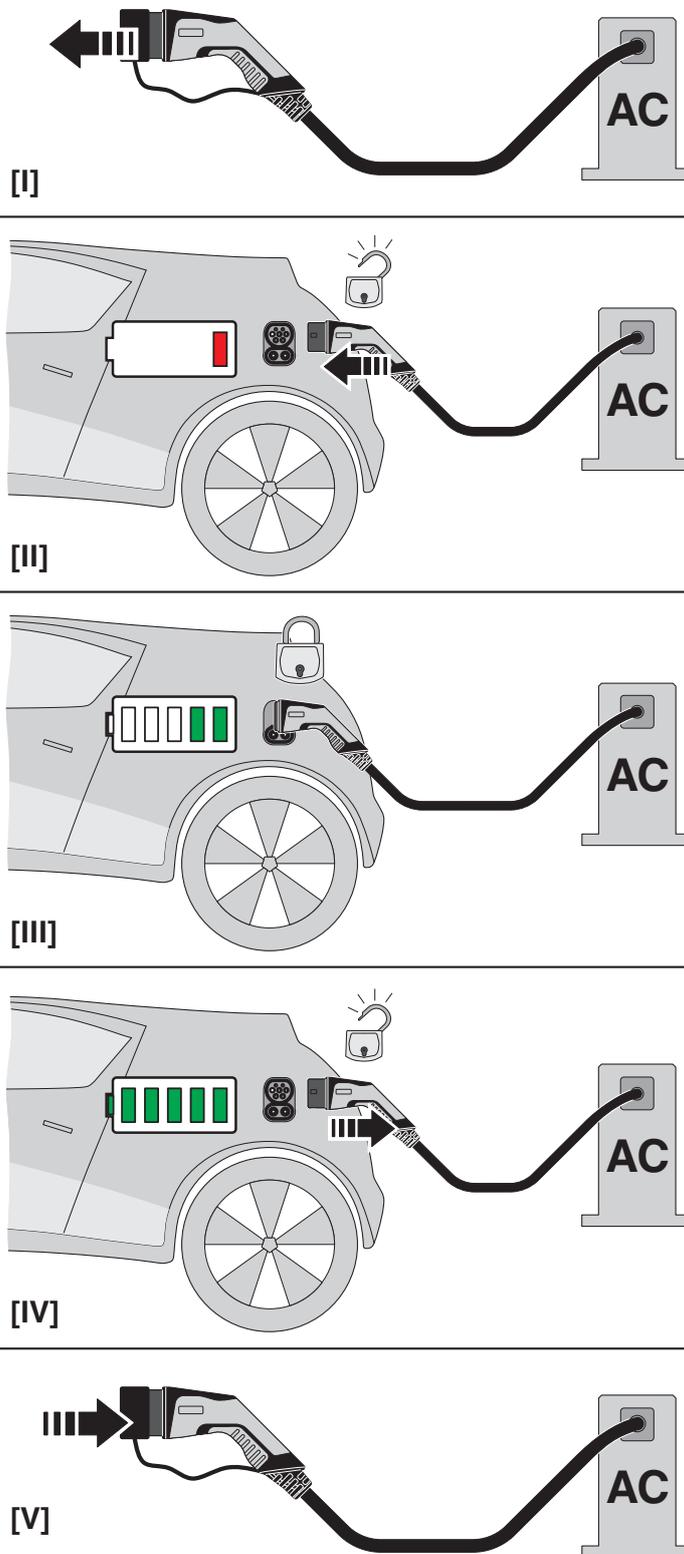


Pin assignment of the Vehicle Connector

Ensure that the vehicle connector is placed in an appropriate resting position that ensures a minimum protection rating of IP24 in accordance with IEC 61851-1 for the entire time between charging. Use the dimensions of the vehicle connector to create this type of resting position. Detailed specifications can also be found in the download area.

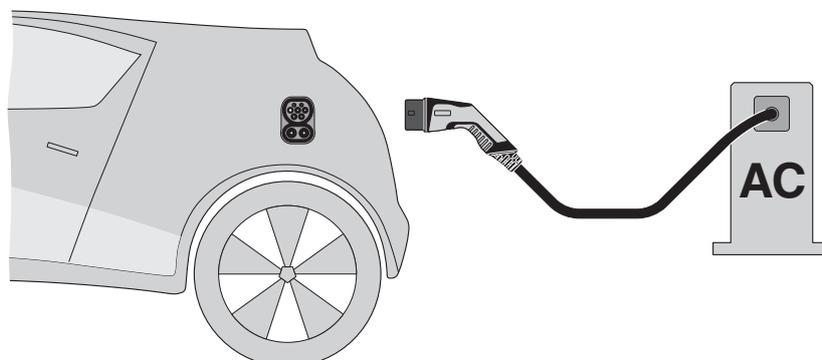
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Schematic diagram



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Schematic diagram



### Terminology definition

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