

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, connection profile: 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 watertightness 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

Dimensions

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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)	-40 °C ... 60 °C
Ambient temperature (storage/transport)	-50 °C ... 90 °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
Pin connector pattern 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 connection profile	Plastic

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Technical data

Material

Flammability rating	V0
Material surface of contacts	Ag

Cable

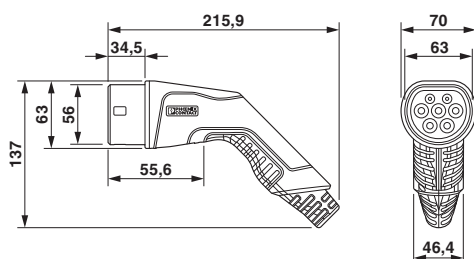
Cable structure	3 x 6.0 mm ² + 1 x 0.5 mm ²
Wiring standards/regulations	prEN 50620
Wiring class	Class 5
Wiring certifications	VDE-Reg. 8789
External cable diameter	12.8 mm ±0.4 mm
Type of conductor	spiraled
Outer sheath, material	TPE-U
External sheath, color	black
Minimum bending radius	192 mm (15 x 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"

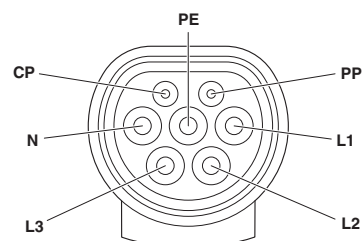
Drawings

Dimensional drawing



Dimensional drawing of Vehicle Connector

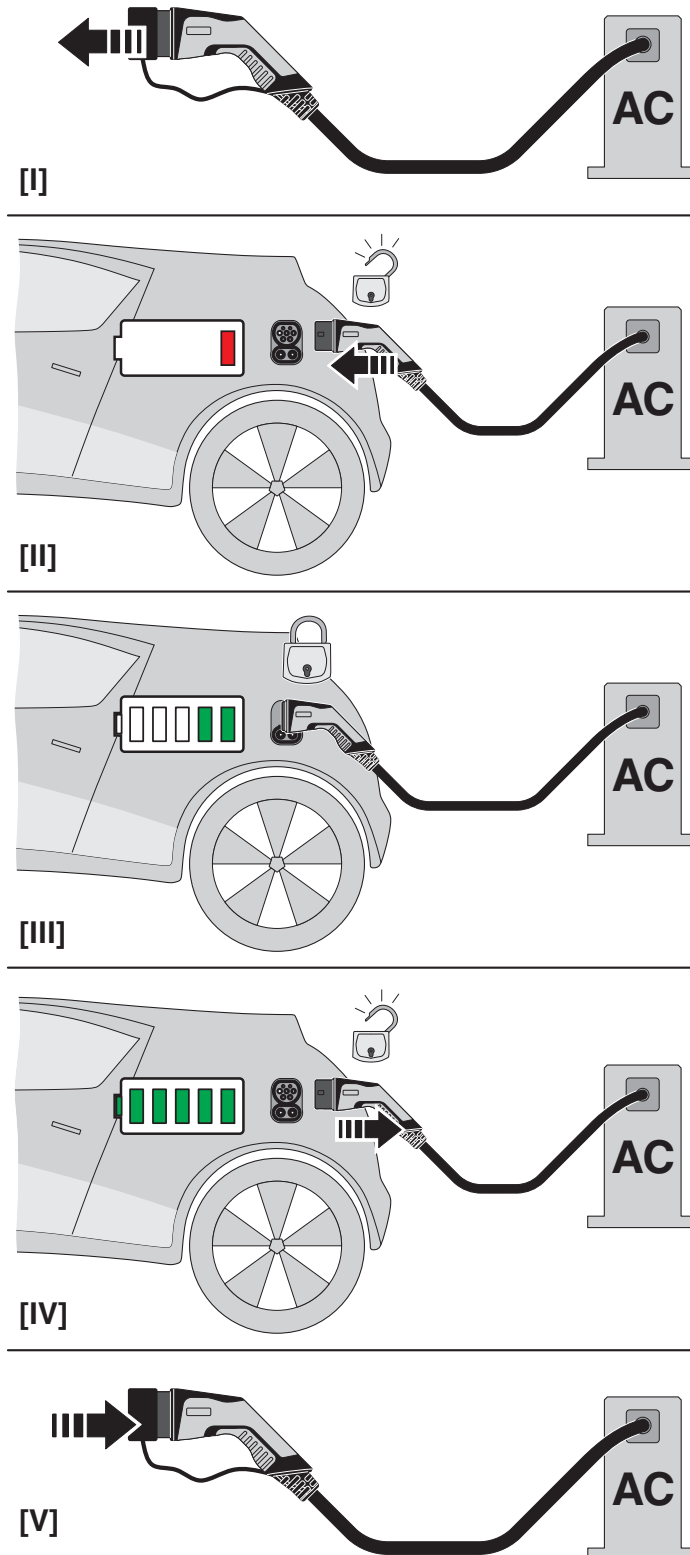
Schematic diagram



Pin assignment of the Vehicle Connector

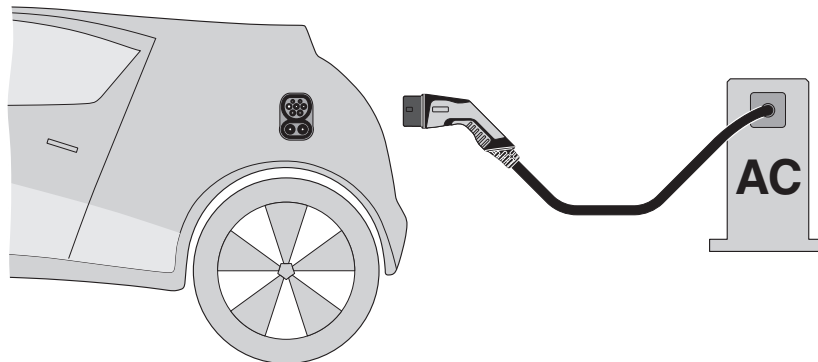
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Schematic diagram



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Schematic diagram



Terminology definition

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