



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



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

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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



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

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

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

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

Technical data

Material

Flammability rating	V0
Material surface of contacts	Ag

Cable

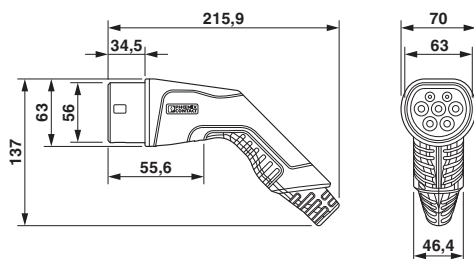
Cable structure	3 x 6.0 mm ² + 1 x 0.5 mm ²
Wiring standards/regulations	prEN 50620 / DIN EN 50620
Wiring class	Class 5
Wiring certifications	VDE
External cable diameter	12.8 mm ±0.4 mm
Type of conductor	spiraled
Outer sheath, material	TPE-U
External sheath, color	black
Minimum bending radius	192 mm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

Environmental Product Compliance

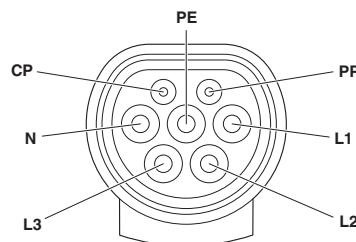
China RoHS	Environmentally Friendly Use Period = 10;
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Dimensional drawing



Schematic diagram

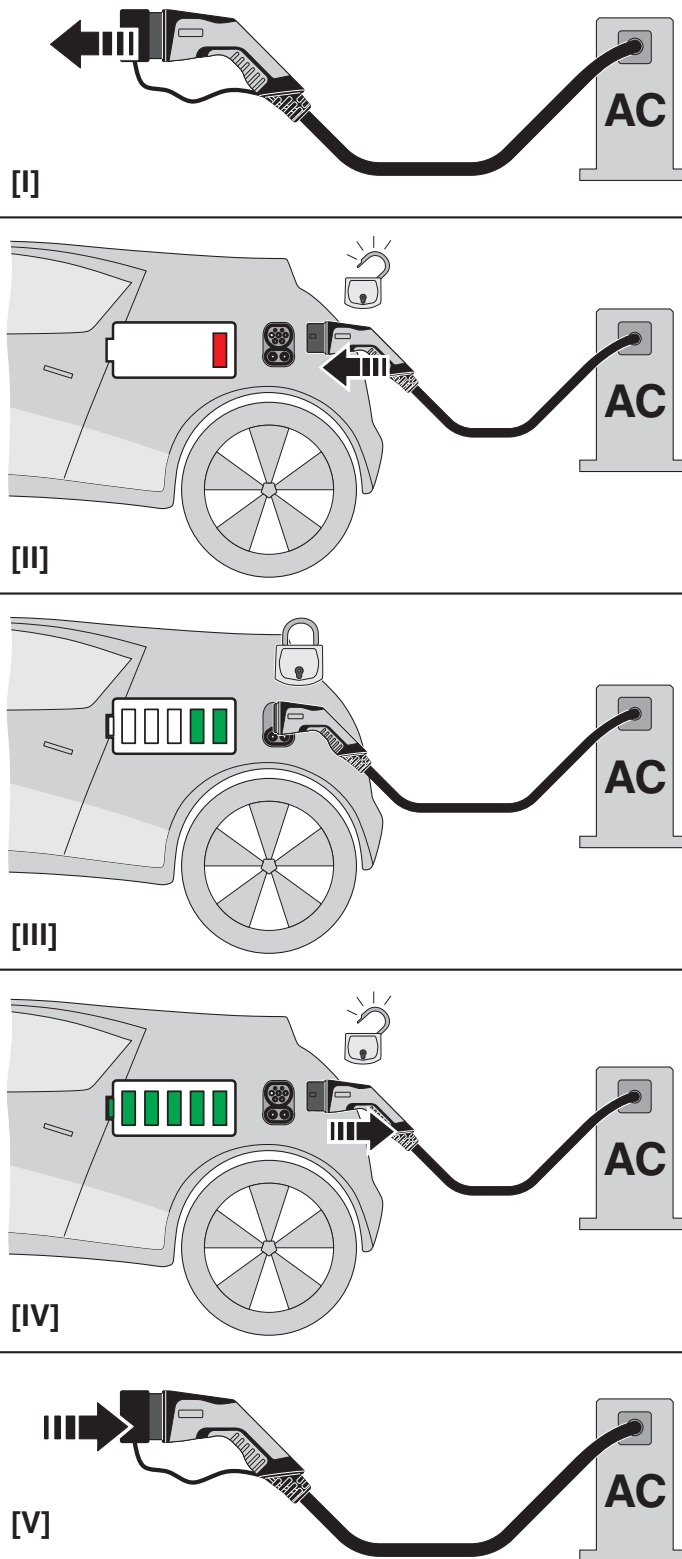


Pin assignment of the Vehicle Connector

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.

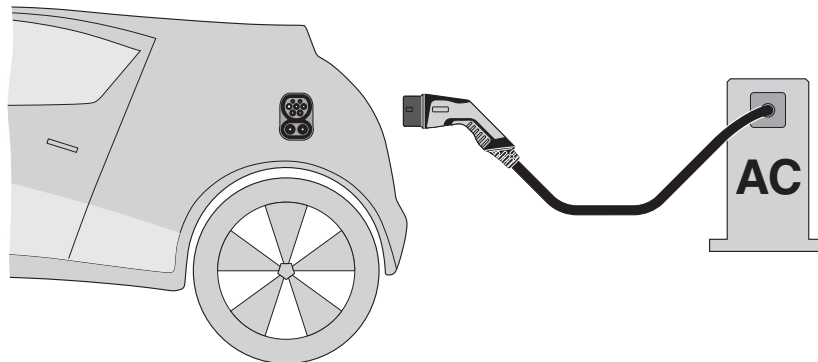
AC charging cable - EV-T2G3C-1AC32A-4,0M6,0EHBK01 - 1627127

Schematic diagram



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

Schematic diagram



Terminology definition

Phoenix Contact 2018 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>