

# AC charging cable - EV-T2G3C-1AC20A-4,0M2,5ESBK01 - 1623502

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AC charging cable with Vehicle Connector, open cable end, and protective cap, Type 2, IEC 62196-2, 20 A / 250 V (AC), Cable data: 4 m, black, straight, Design line 2

## 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)

## Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 177830
Weight per Piece (excluding packing)	1.53 kg
Weight per piece (including packing)	1.77 kg
Custom tariff number	85444290
Country of origin	Germany
Sales Key	Z1 - # w/o Assignment
Note	Made to Order (non-returnable)

## Technical data

### Product definition

Product type	AC charging cable with Vehicle Connector, open cable end, and protective cap
Standards/regulations	IEC 62196-2
Charging standard	Type 2
Charging mode	Mode 3
Type of charging current	AC single-phase

### Dimensions

Height	137 mm
Width	70 mm
Depth	215.9 mm
Conductor length	4 m
Stripping length	60 mm ±15 mm

### Ambient conditions

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## Technical data

### 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)
	IP56 (Protective cap)

### Electrical properties

Maximum charging power	5 kW
Number of phases	1
Number of power contacts	3 (L1, N, PE)
Rated current of power contacts	20 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	680 Ω (between PE and PP)

### Mechanical properties

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

### Design

Design line	2
Housing color	black
Color handle area	gray
Color protective cap	black
Customer variations	On request

### Material

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

### Cable

Cable structure	3 x 2.5 mm <sup>2</sup> + 1 x 0.5 mm <sup>2</sup> (prEN 50620, VDE Reg. 8789 class 5)
External cable diameter	10.2 mm ±0,3 mm
Type of conductor	straight
Outer sheath, material	TPE-U
External sheath, color	black

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## Technical data

### Cable

Minimum bending radius	153 mm (15 x diameter)
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### Locking

Locking type	Locking option for actuating lever with 4 mm U-lock
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## Classifications

### eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27260701
eCl@ss 6.0	27279220
eCl@ss 7.0	27440103
eCl@ss 8.0	27440590
eCl@ss 9.0	27144705

### ETIM

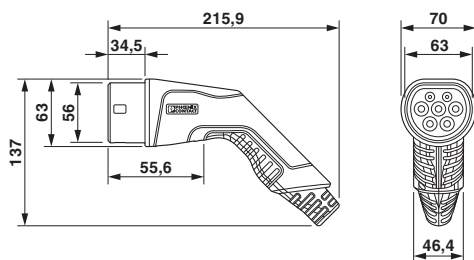
ETIM 3.0	EC002061
ETIM 4.0	EC002061
ETIM 5.0	EC002839

### UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

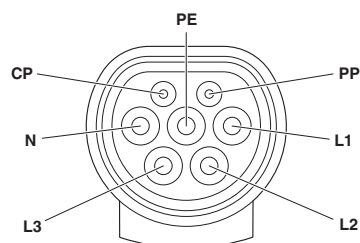
## Drawings

Dimensional drawing



Dimensional drawing of Vehicle Connector

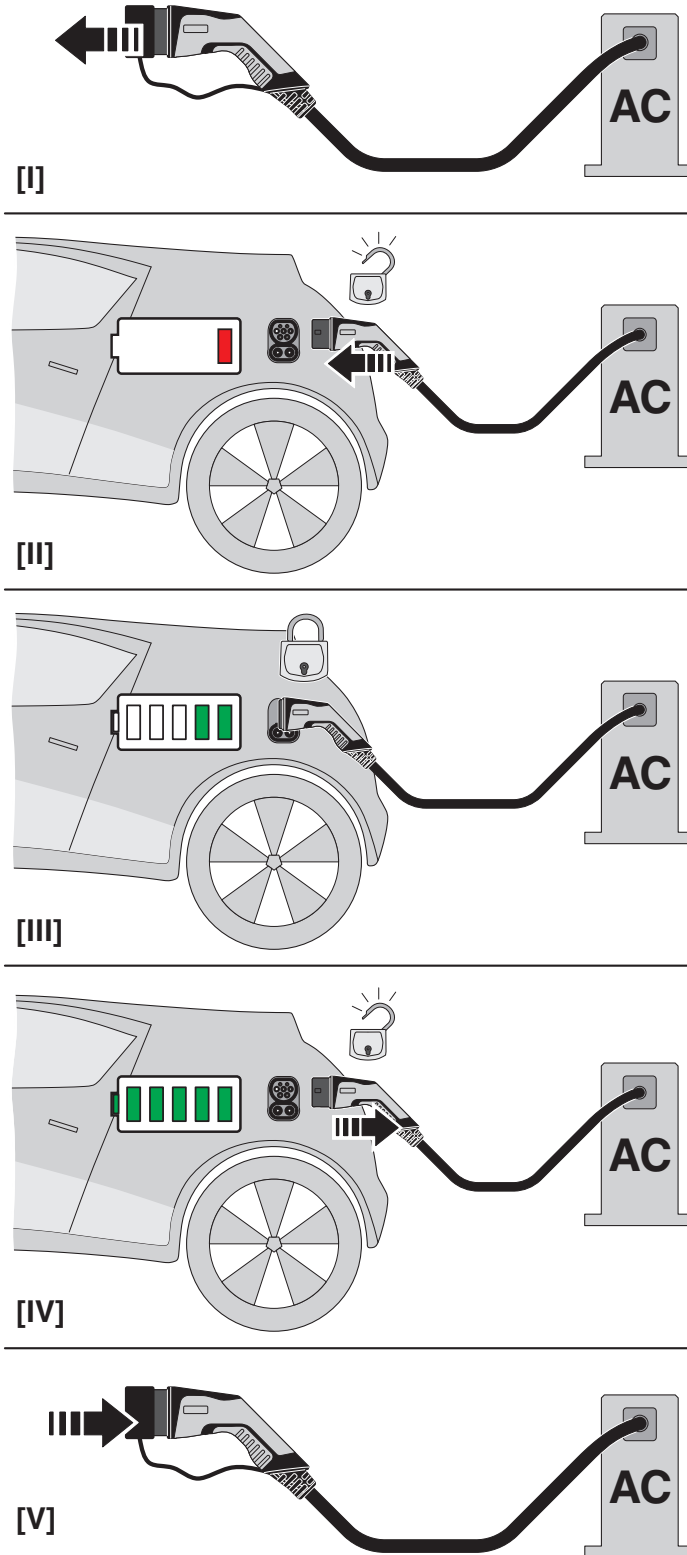
Schematic diagram



Pin assignment of the Vehicle Connector

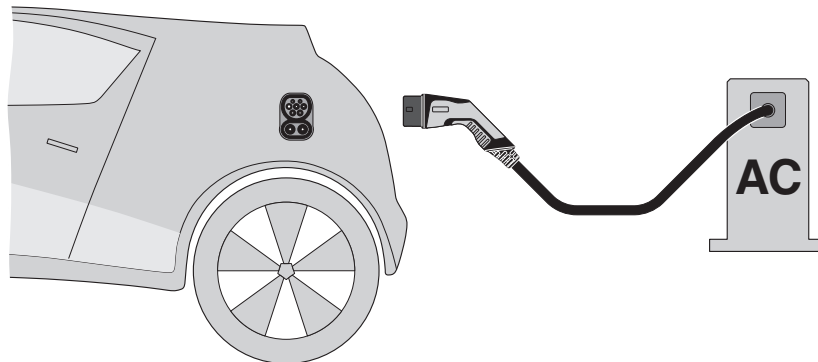
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Schematic diagram



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Schematic diagram



### Terminology definition

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