

# AC charging cable - EV- T1G3K-1AC32A-5,0M6,0ESBK01 - 1627356

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AC charging cable with Vehicle Connector, open cable end, with locking option for U-lock, with protective cap, Type 1, IEC 62196-2, SAE J1772, 32 A / 250 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 1 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
- Reliable function of the locking lever with additional seal
- Optional locking option with a U-lock
- Consistent watertightness prevents water ingress in the cable

## Key commercial data

package_quantity	1
GTIN	4055626317007

## Technical data

### Product definition

Product type	AC charging cable with Vehicle Connector, open cable end, with locking option for U-lock, with protective cap
Type	C-Line black / gray
Standards/regulations	IEC 62196-2
Standards/regulations	SAE J1772
Charging standard	Type 1
Charging mode	Mode 3, Case C
Type of charging current	AC single-phase

### Dimensions

Vehicle connector width	58.00 mm
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## Technical data

### Dimensions

Vehicle connector height	151.10 mm
Vehicle connector depth	236.10 mm
Conductor length	5 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)
Degree of protection	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, CS)
Rated current for signal contacts	2 A
Rated voltage for signal contacts	30 V AC
Type of signal transmission	Pulse width modulation
Resistor coding	480 Ω (Lever actuated)
Resistor coding	150 Ω (Lever not actuated)

### Mechanical properties

Insertion/withdrawal cycles	> 10000
Insertion force	< 75 N
Withdrawal force	< 75 N

### Design

Design line	C-Line
Housing color	black
Pin connector pattern color	black
Color handle area	gray
Actuating element color	silver
Color protective cap	black
Customer variations	On request

### Material

Housing material	Plastic
Material connection profile	Plastic
Material handle area	Soft plastic

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## Technical data

### Material

<b>Actuating lever material</b>	Metal
<b>Material protective cap</b>	Soft plastic
<b>Material surface of contacts</b>	Ag

### Cable

<b>Cable structure</b>	3 x 6.0 mm <sup>2</sup> + 1 x 0.5 mm <sup>2</sup> (prEN 50620, VDE Reg. 8789 class 5)
<b>External cable diameter</b>	12.8 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>	192 mm (15 x diameter)

### Locking

<b>Locking type</b>	Locking option for actuating lever with 4 mm U-lock
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### 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

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## Classifications

UNSPSC

UNSPSC 13.2	39121522
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## Approvals

VDE approval of drawings /

## Approval details

VDE approval of drawings	
Nominal voltage UN	250 V
Nominal current IN	32 A
mm <sup>2</sup> /AWG/kcmil	

## Accessories

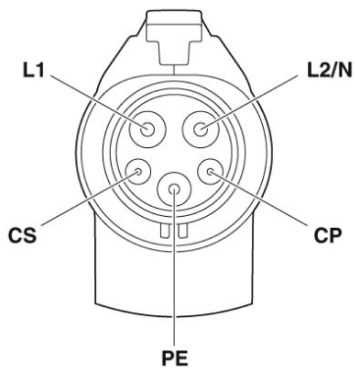
### Park position

EV-T1AC-PARK - 1624139



## Drawings

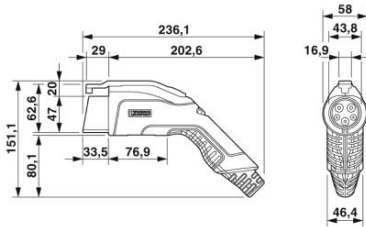
### Connection diagram



Pin assignment of the Vehicle Connector

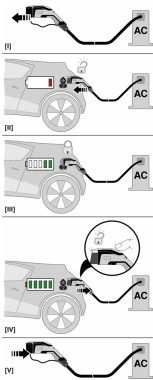
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## Dimensional drawing



## Dimensional drawing of Vehicle Connector

## Schematic diagram



## Operating instructions

## Schematic diagram



## Terminology definition

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