

1289517

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CHARX connect comfort, AC charging cable, with vehicle charging connector and open cable end, for charging electric vehicles (EV) with alternating current (AC) via type 1 vehicle charging inlets, without protective cap, Type 1, SAE J1772, 48 A / 250 V (AC), PHOENIX CONTACT logo, cable: 25 ft, black, straight, NOTE: Cable management may be required.

## Product description

AC charging cable with vehicle charging connector and free cable end for charging electric vehicles (EV) with alternating current (AC) via type 1 vehicle charging inlets, for installation at charging stations for e-mobility (EVSE)

### Your advantages

- · Complete product range
- · Convenient handling due to the ergonomic, triple award-winning design
- · Available with your logo on request for consistent branding of your charging station
- · Longitudinal water tightness reliably prevents water ingress
- Developed and produced in accordance with the IATF 16949 automotive standard and ISO 9001
- Tested in accordance with automotive standards LV124, LV214, and LV215-2
- Tested in accordance with EV Ready 37 requirements
- · Laser-marked mating face in accordance with DIN EN 17186

#### Commercial data

Item number	1289517
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	EM01
Product key	XWBAAA
GTIN	4063151520526
Weight per piece (including packing)	2,220 g
Weight per piece (excluding packing)	2,220 g
Customs tariff number	85444290
Country of origin	PL



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### Technical data

### Product properties

Product type	AC charging cable
Product family	CHARX connect comfort
Application	for charging electric vehicles (EV) with alternating current (AC) via type 1 vehicle charging inlets
	for installation at charging stations for electromobility (EVSE)
Туре	AC charging cable
	with vehicle charging connector and open cable end
Design	without protective cap
Affixed logo	PHOENIX CONTACT logo
ata management status	
Article revision	05
Charging mode	AC level 2
Charging standard	Type 1

### Electrical properties

Note on the connection method	Crimp connection, cannot be disconnected
Coding	480 $\Omega$ (Lever actuated)
	150 $\Omega$ (Lever not actuated)
Type of charging current	AC single-phase
Charging power	12 kW
Charging current	48 A

#### Power contact

Number	3 (L1, N, PE)
Rated voltage	250 V AC
Rated current	48 A

## Signal contact

Olgital Contact	
Number	2 (CP, CS)
Rated voltage	30 V AC
Rated current	2 A

#### **Dimensions**

### Vehicle charging connector

Width	58 mm
Height	151.1 mm
Depth	236.1 mm

### Material specifications

Color (Housing)	black (9005)
Color (Handle area)	black (9005)



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Color (Actuating element)	silver grey (7001)
Color (Mating face)	black (9005)
Color (Protective cap)	black (9005)
Color (Cable)	black (9005)
Material (Vehicle charging connector)	Plastic
Material (Cable outer sheath)	TPE-U
Material (Contact surface)	Silver

### Cable/line

Cable length	25 ft
Wiring standards/regulations	UL 62
Cable weight	max. 327.00 kg/km
Cable type	straight
Cable structure	4 x 12 AWG 1 x 10 AWG + 5 x 22 AWG
External cable diameter	14.50 mm
Outer sheath, material	TPE
Stripping length of the sheath	70 mm ±5 mm
Stripping length	70 mm ±5 mm
Cable resistance	$\leq$ 0.001025 $\Omega$ /m (based on a power core, at an ambient temperature of 20°C)
Bending radius	min. 72.5 mm

### Mechanical properties

#### Mechanical data

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

#### Environmental and real-life conditions

### Ambient conditions

Degree of protection (Vehicle charging inlet)	IP44 (plugged in; when plugged in and ready to operate, the degree of protection is only ensued if both plug-in components are original products from Phoenix Contact or suitable standard-compliant products)
Degree of protection (Protective cap)	IP54
Ambient temperature (operation)	-30 °C 50 °C
Ambient temperature (storage/transport)	-40 °C 80 °C
Altitude	5000 m (above sea level)

### Standards and regulations

#### Connection in accordance with standard

Normative cable length restrictions	NOTE: Cable management may be required.
	Cable management is required in the US if the cable length exceeds 7.5 m (IEC 61851-1).



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Standards

Standards/regulations SAE J1772

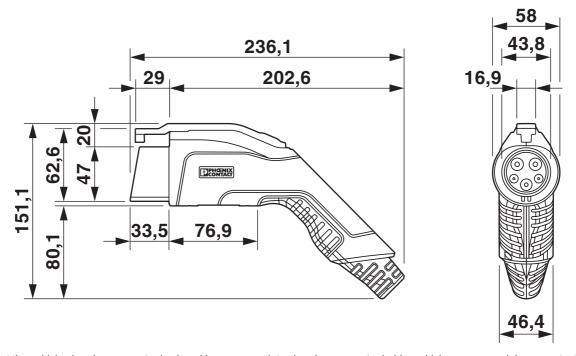


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## Drawings

### Dimensional drawing



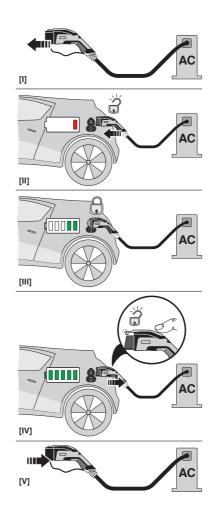
Make sure that the vehicle charging connector is placed in an appropriate charging connector holder, which ensures a minimum protection rating of IP24 in accordance with IEC 61851-1, for the entire time between charging. To create this charging connector holder, use the dimensions of the vehicle charging connector. Detailed dimensions can also be found in the Download area.



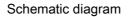
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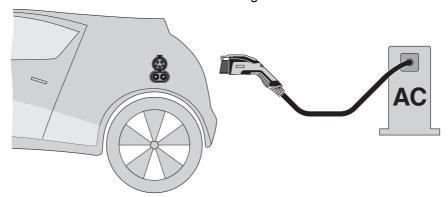
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### Schematic diagram



Operating instructions



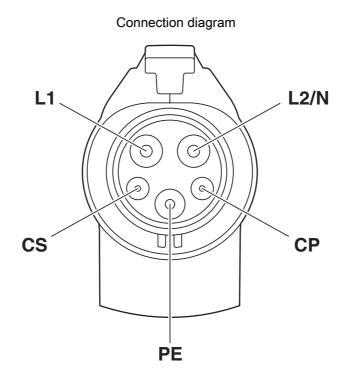


Terminology definition



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Pin assignment of the Vehicle Connector



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### **Approvals**

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1289517

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		Nominal voltage $U_N$	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
		250 V	48 A	-	-



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## Classifications

UNSPSC 21.0

### **ECLASS**

ECLASS-11.0	27144705			
ECLASS-12.0	27144705			
ECLASS-13.0	27144705			
ETIM				
ETIM 9.0	EC002897			
UNSPSC				

39121500



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## Environmental product compliance

#### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)
China RoHS	
Environment friendly use period (EFUP)	EFUP-10
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	299ccb50-feb1-43d5-8a84-f9f92de56a5b

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