

CHARX ET2CP-3AC32-5,0MES00P - AC charging cable



1285622

<https://www.phoenixcontact.com/in/products/1285622>

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 documentation. Our general terms of use for downloads are valid.



CHARX connect eco, Type 2, Mobile AC charging cable, 32 A Permanent, 480 V AC, with vehicle charging connector and infrastructure charging plug, cable: 5 m, black, straight, with protective cap, PHOENIX CONTACT logo, IEC 62196-2, for charging electric vehicles (EV) with alternating current (AC), The protective cap included in the scope of delivery is plugged onto the vehicle charging connector for which protection is required by standard.

Product description

Mobile AC charging cable with vehicle charging connector and infrastructure charging plug for charging electric vehicles (EV) with alternating current (AC) via type 2 vehicle charging inlets, compatible with type 2 infrastructure charging sockets 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	1285622
Packing unit	5 pc
Minimum order quantity	120 pc
Sales key	*****
Product key	XWBAEO
GTIN	4063151492366
Weight per piece (including packing)	2,536 g
Weight per piece (excluding packing)	2,536 g
Customs tariff number	85444290
Country of origin	PL

CHARX ET2CP-3AC32-5,0MES00P - AC charging cable



1285622

<https://www.phoenixcontact.com/in/products/1285622>

Technical data

Notes

General	The protective cap included in the scope of delivery is plugged onto the vehicle charging connector for which protection is required by standard.
---------	---

Product properties

Product type	AC charging cable
Product family	CHARX connect eco
Application	for charging electric vehicles (EV) with alternating current (AC) compatible with type 2 infrastructure charging sockets at charging stations for electromobility (EVSE)
Type	Mobile AC charging cable with vehicle charging connector and infrastructure charging plug
Design	with protective cap
Affixed logo	PHOENIX CONTACT logo
Charging mode	Mode 3, Case B
Charging standard	Type 2
Customer variations	On request

Electrical properties

Type of signal transmission	Pulse width modulation
Note on the connection method	Crimp connection, cannot be disconnected
Coding	220 Ω (between PE and PP)
Type of charging current	AC 3-phase
Charging power	26.6 kW (3-phase)
Charging current	32 A (3-phase)

Power contact

Number	5 (L1, L2, L3, N, PE)
Rated voltage	480 V AC
Rated current	32 A

Signal contact

Number	2 (CP, PP)
Rated voltage	30 V AC
Rated current	2 A

Dimensions

Width	57 mm
Height	77.5 mm
Depth	193.3 mm

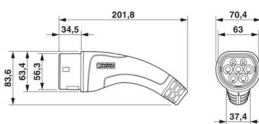
Vehicle charging connector

CHARX ET2CP-3AC32-5,0MES00P - AC charging cable



1285622

<https://www.phoenixcontact.com/in/products/1285622>

Dimensional drawing	
Width	70.4 mm
Height	82.3 mm
Depth	201.8 mm

Material specifications

Color (Housing)	black (9005)
Color (Handle area)	black (9005)
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	5 m
Wiring standards/regulations	prEN 50620/DIN EN 50620
Wiring certifications	VDE
Cable weight	max. 374.00 kg/km
Cable type	Class 5
Cable type	straight
Cable structure	5 x 4.0 mm ² + 1 x 0.5 mm ²
External cable diameter	14.20 mm ±0.3 mm
Outer sheath, material	TPE-U
Cable resistance	≤ 0.00425 Ω/m (based on a power core, at an ambient temperature of 20°C)
Bending radius	min. 113.6 mm (8x diameter)

Mechanical properties

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

Environmental and real-life conditions

Ambient conditions	
Degree of protection (Vehicle charging connector)	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)

CHARX ET2CP-3AC32-5,0MES00P - AC charging cable



1285622

<https://www.phoenixcontact.com/in/products/1285622>

Degree of protection (Infrastructure charging plug)	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)	-40 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Altitude	max. 5000 m (above sea level)

Standards and regulations

Standards

Standards/regulations	IEC 62196-2
-----------------------	-------------

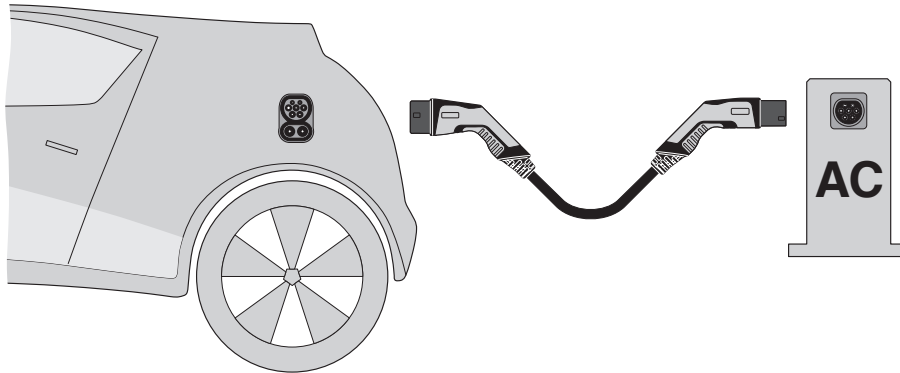
CHARX ET2CP-3AC32-5,0MES00P - AC charging cable

1285622

<https://www.phoenixcontact.com/in/products/1285622>

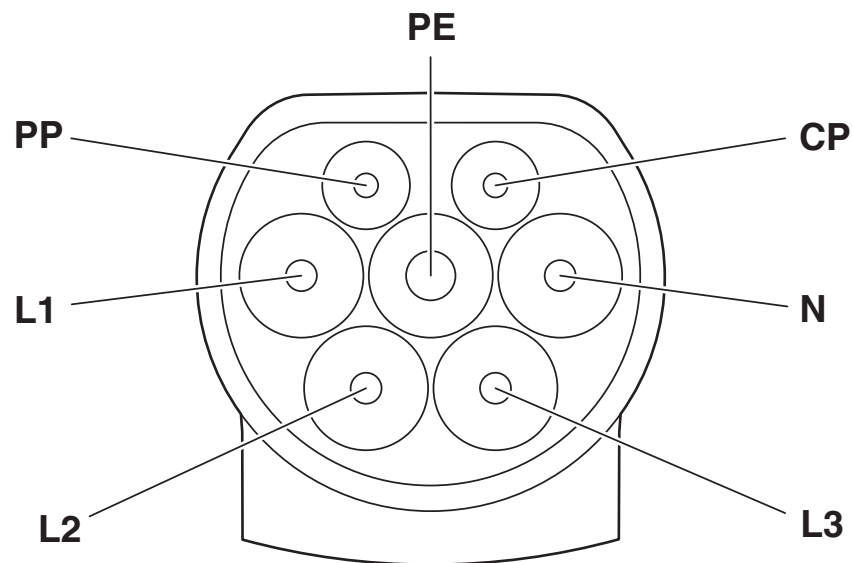
Drawings

Schematic diagram



Terminology definition

Connection diagram



Pin assignment of Infrastructure Plug

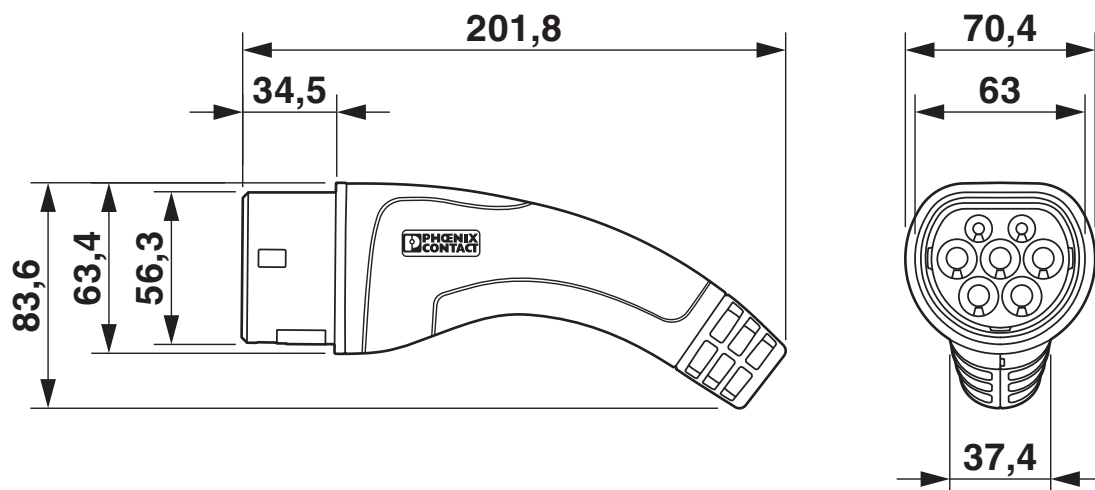
CHARX ET2CP-3AC32-5,0MES00P - AC charging cable



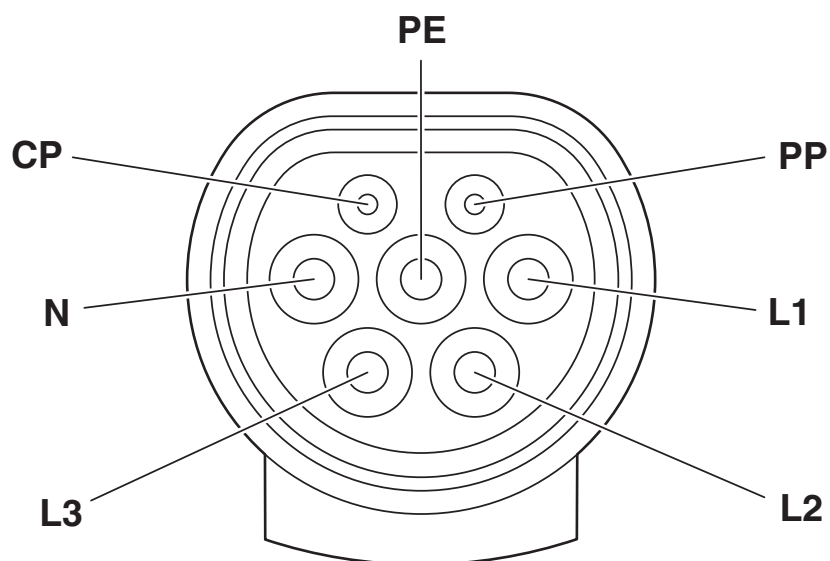
1285622

<https://www.phoenixcontact.com/in/products/1285622>

Dimensional drawing



Schematic diagram



Pin assignment of the Vehicle Connector

CHARX ET2CP-3AC32-5,0MES00P - AC charging cable

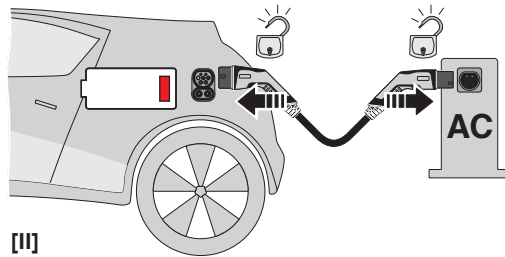
1285622

<https://www.phoenixcontact.com/in/products/1285622>

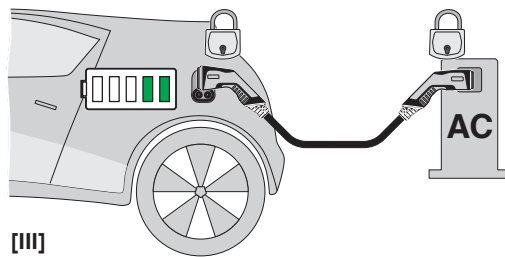
Schematic diagram



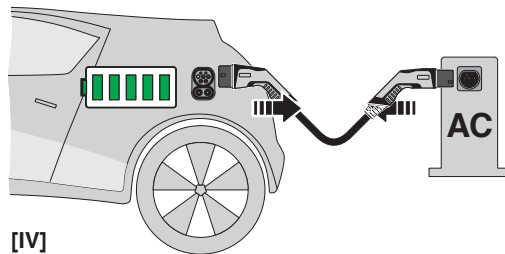
[I]



[II]



[III]



[IV]



[V]

Operating instructions


CHARX ET2CP-3AC32-5,0MES00P - AC charging cable



1285622
<https://www.phoenixcontact.com/in/products/1285622>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/in/products/1285622>

	IECEE CB Scheme			
	Approval ID: SG PSB-EH-00034			
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	480 V	32 A	-	-

CHARX ET2CP-3AC32-5,0MES00P - AC charging cable



1285622
<https://www.phoenixcontact.com/in/products/1285622>

Classifications

ECLASS

ECLASS-11.0	27144705
ECLASS-12.0	27144705
ECLASS-13.0	27144705

ETIM

ETIM 9.0	EC002897
----------	----------

CHARX ET2CP-3AC32-5,0MES00P - AC charging cable



1285622

<https://www.phoenixcontact.com/in/products/1285622>

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	b423f6cf-1159-4b1b-a5d9-0edfbdeb3a4a

CHARX ET2CP-3AC32-5,0MES00P - AC charging cable



1285622

<https://www.phoenixcontact.com/in/products/1285622>

Accessories

EV-T2AC-PARK - Charging connector holder

1624148

<https://www.phoenixcontact.com/in/products/1624148>



CHARX connect, Type 2, Charging connector holder, Accessories, Front mounting, housing: black, for vehicle charging connectors on charging stations (EVSE), PHOENIX CONTACT logo, IEC 62196-2

EV-T2M3SO12-3P-P-SET - Infrastructure charging socket

1164422

<https://www.phoenixcontact.com/in/products/1164422>



CHARX connect modular, Type 2, Infrastructure charging socket, 32 A , 480 V AC, Premium, Set, without single-core wires, locking actuator: 12 V, 3-pos., square, Rear panel mounting, M5 thread, housing: black, with square protective cover, with temperature sensors, with LED (common cathode connection), for charging electric vehicles (EV) with alternating current (AC), PHOENIX CONTACT logo, IEC 62196-2

CHARX ET2CP-3AC32-5,0MES00P - AC charging cable



1285622

<https://www.phoenixcontact.com/in/products/1285622>

EV-T2M3SO12-4P-P-SET - Infrastructure charging socket

1164423

<https://www.phoenixcontact.com/in/products/1164423>



CHARX connect modular, Type 2, Infrastructure charging socket, 32 A , 480 V AC, Premium, Set, without single-core wires, locking actuator: 12 V, 4-pos., square, Rear panel mounting, M5 thread, housing: black, with square protective cover, with temperature sensors, with LED (common cathode connection), for charging electric vehicles (EV) with alternating current (AC), PHOENIX CONTACT logo, IEC 62196-2

EV-T2M3SO12-3P-BL-SET - Infrastructure charging socket

1268358

<https://www.phoenixcontact.com/in/products/1268358>



CHARX connect modular, Type 2, Infrastructure charging socket, 32 A , 480 V AC, Basic, Set, without single-core wires, locking actuator: 12 V, 3-pos., square, Rear panel mounting, M5 thread, housing: black, with square protective cover, with LED (common cathode connection), for charging electric vehicles (EV) with alternating current (AC), PHOENIX CONTACT logo, IEC 62196-2

CHARX ET2CP-3AC32-5,0MES00P - AC charging cable



1285622

<https://www.phoenixcontact.com/in/products/1285622>

EV-T2M3SO12-4P-BL-SET - Infrastructure charging socket

1268355

<https://www.phoenixcontact.com/in/products/1268355>



CHARX connect modular, Type 2, Infrastructure charging socket, 32 A , 480 V AC, Basic, Set, without single-core wires, locking actuator: 12 V, 4-pos., square, Rear panel mounting, M5 thread, housing: black, with square protective cover, with LED (common cathode connection), for charging electric vehicles (EV) with alternating current (AC), PHOENIX CONTACT logo, IEC 62196-2

EV-T2M3SO12-3P-B-SET - Infrastructure charging socket

1164420

<https://www.phoenixcontact.com/in/products/1164420>



CHARX connect modular, Type 2, Infrastructure charging socket, 32 A , 480 V AC, Basic, Set, without single-core wires, locking actuator: 12 V, 3-pos., square, Rear panel mounting, M5 thread, housing: black, with square protective cover, for charging electric vehicles (EV) with alternating current (AC), PHOENIX CONTACT logo, IEC 62196-2

CHARX ET2CP-3AC32-5,0MES00P - AC charging cable



1285622

<https://www.phoenixcontact.com/in/products/1285622>

EV-T2M3SO12-4P-B-SET - Infrastructure charging socket

1164417

<https://www.phoenixcontact.com/in/products/1164417>



CHARX connect modular, Type 2, Infrastructure charging socket, 32 A , 480 V AC, Basic, Set, without single-core wires, locking actuator: 12 V, 4-pos., square, Rear panel mounting, M5 thread, housing: black, with square protective cover, for charging electric vehicles (EV) with alternating current (AC), PHOENIX CONTACT logo, IEC 62196-2

EV-LABEL-C - Label

1309766

<https://www.phoenixcontact.com/in/products/1309766>



CHARX connect, Label, Accessories, for AC type 2 vehicle charging connector and for AC type 2 vehicle charging inlet, DIN EN 17186

CHARX ET2CP-3AC32-5,0MES00P - AC charging cable



1285622

<https://www.phoenixcontact.com/in/products/1285622>

EV-LABEL-C-SO - Label

1315521

<https://www.phoenixcontact.com/in/products/1315521>

CHARX connect, Label, Accessories, For AC type 2 infrastructure charging socket and for AC type 2 infrastructure charging plug, DIN EN 17186



Phoenix Contact 2025 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT (I) Pvt. Ltd.

A-58/2, Okhla Industrial Area, Phase - II, New Delhi-110 020

+91.1275.71420

info@phoenixcontact.co.in