

1622110  
<https://www.phoenixcontact.com/us/products/1622110>

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CHARX connect, Mobile AC charging cable with vehicle connector and infrastructure plug, with protective cap, Type 2, IEC 62196-2, cable: 7 m, straight, NOTE: Cable management may be required.



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

- Consistent design of all Phoenix Contact Vehicle Connectors and Infrastructure Plugs
- Silver-plated surface of the power and signal contacts
- Developed and produced in accordance with the IATF 16949 automotive standard and ISO 9001
- Convenient handling, thanks to the ergonomic handle and additional, rubber grip components

Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1622110       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Product key                          | XWBAEC        |
| GTIN                                 | 4055626010847 |
| Weight per piece (including packing) | 4,663 g       |
| Weight per piece (excluding packing) | 4.47 g        |
| Country of origin                    | DE            |

# EV-T2M3PC-3AC32A-7,0M6,0ESBK00 - AC charging cable



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## Technical data

### Notes

|         |                                                                                                                               |
|---------|-------------------------------------------------------------------------------------------------------------------------------|
| General | NOTE: Cable management may be required.                                                                                       |
| General | Cable management is required in certain regions if the cable length exceeds 5.0 m (Switzerland) or 7.5 m (USA) (IEC 61851-1). |

### Product properties

|                   |                                                                                              |
|-------------------|----------------------------------------------------------------------------------------------|
| Product type      | AC charging cable                                                                            |
| Product family    | CHARX connect                                                                                |
| Application       | Mobile AC charging cable with vehicle connector and infrastructure plug, with protective cap |
| Charging mode     | Mode 3, Case B                                                                               |
| Charging standard | Type 2                                                                                       |

### Electrical properties

|                          |            |
|--------------------------|------------|
| Type of charging current | AC 3-phase |
| Charging power           | 26.6 kW    |
| Charging current         | 32 A       |

### Cable/line

|                              |                                                                         |
|------------------------------|-------------------------------------------------------------------------|
| Cable length                 | 7 m                                                                     |
| Wiring standards/regulations | prEN 50620/DIN EN 50620                                                 |
| Wiring certifications        | VDE                                                                     |
| Cable weight                 | max. 505.00 kg/km                                                       |
| Cable type                   | Class 5                                                                 |
| Cable type                   | straight                                                                |
| Cable structure              | 5 x 6.0 mm <sup>2</sup> + 1 x 0.5 mm <sup>2</sup>                       |
| External cable diameter      | 17.00 mm ±0.4 mm                                                        |
| Outer sheath, material       | TPE-U                                                                   |
| Cable resistance             | ≤ 0.0033 Ω/m (based on a power core, at an ambient temperature of 20°C) |
| Bending radius               | min. 127.5 mm (7.5x diameter)                                           |
| Cable length                 | 7 m                                                                     |
| External cable diameter      | 17.00 mm ±0.4 mm                                                        |
| Cable type                   | Class 5                                                                 |
| Wiring certifications        | VDE                                                                     |
| Wiring standards/regulations | prEN 50620/DIN EN 50620                                                 |
| Cable resistance             | ≤ 0.0033 Ω/m (based on a power core, at an ambient temperature of 20°C) |

### Standards and regulations

#### Standards

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

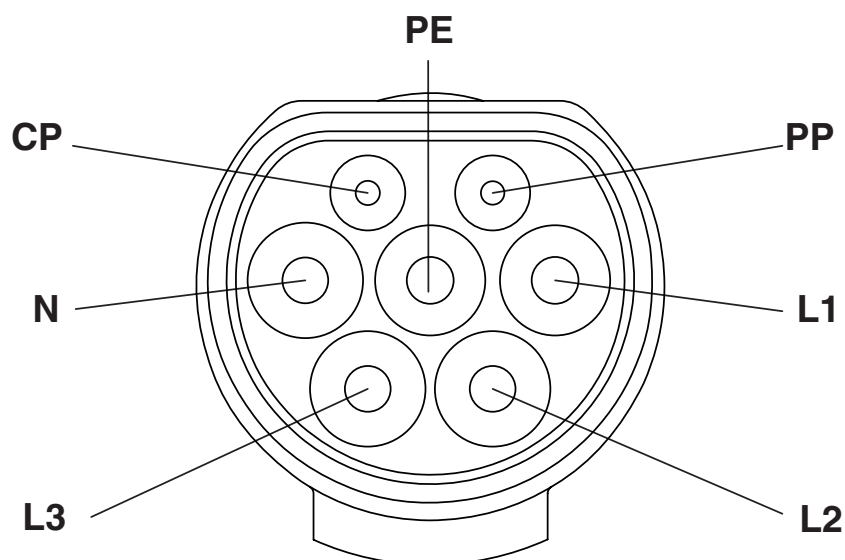
# EV-T2M3PC-3AC32A-7,0M6,0ESBK00 - AC charging cable

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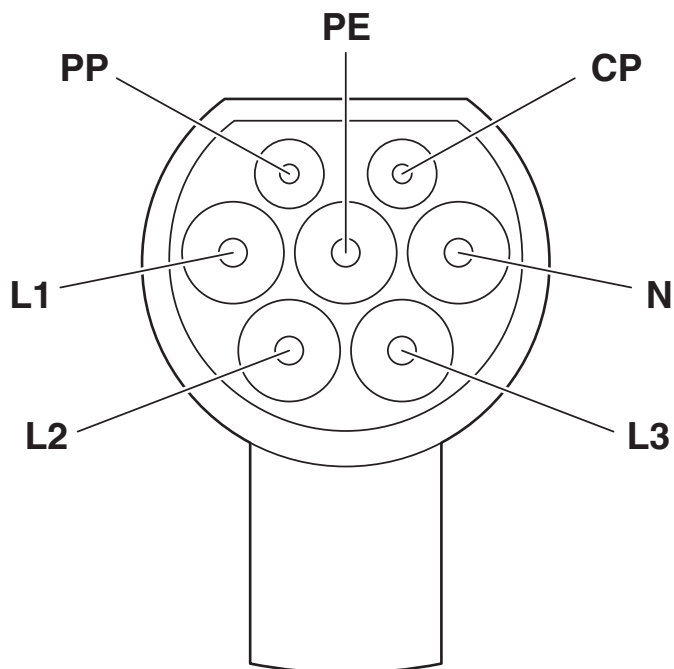
## Drawings

Schematic diagram



Pin assignment of the Vehicle Connector

Connection diagram



Pin assignment of Infrastructure Plug

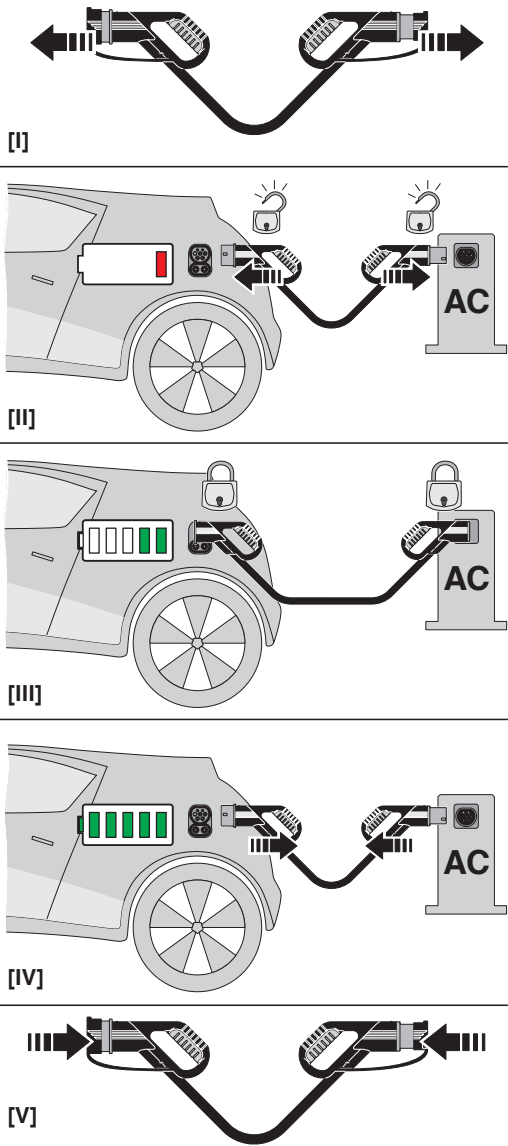
# EV-T2M3PC-3AC32A-7,0M6,0ESBK00 - AC charging cable



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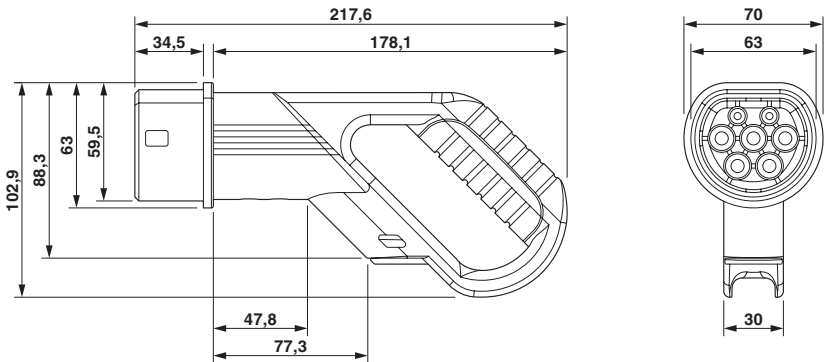
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Schematic diagram



## Operating instructions

Dimensional drawing



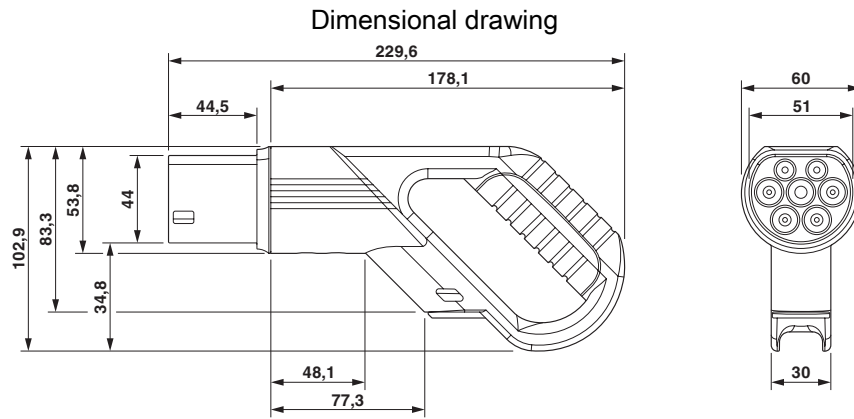
## Vehicle connector

# EV-T2M3PC-3AC32A-7,0M6,0ESBK00 - AC charging cable



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Infrastructure plug

# EV-T2M3PC-3AC32A-7,0M6,0ESBK00 - AC charging cable



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## Classifications

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39121522 |
|-------------|----------|

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Environmental product compliance

|                                        |                                                                                                                                                                                                                                                                 |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| China RoHS                             |                                                                                                                                                                                                                                                                 |
| Environment friendly use period (EFUP) | <div>EFUP-10</div> <div>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.</div> |
| EU REACH SVHC                          |                                                                                                                                                                                                                                                                 |
| REACH candidate substance (CAS No.)    | No substance above 0.1 wt%                                                                                                                                                                                                                                      |

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## Accessories

### EV-T2AC-PARK - Charging connector holder

1624148

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



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

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### EV-T2M3SE24-3AC32A-0,7M6,0E10 - Infrastructure charging socket

1405216

<https://www.phoenixcontact.com/us/products/1405216>



CHARX connect, Infrastructure charging socket, for charging electric vehicles (EV) with alternating current (AC), Type 2, IEC 62196-2, 32 A / 480 V (AC), Single wires, length: 0.7 m, locking actuator: 24 V, 4-pos., Rear panel mounting, PHOENIX CONTACT logo

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