

PHOENIX CONTACT charging cable

TYPE 2 | 32A | 1phase | 7,4kW | 5m

Very accurate processed mobile EV charging cable Type 2 - Type 2 with Vehicle Connector and Infrastructure Plug, with protective caps, 32 A / 480 V (AC).

Product definition

- Type: C-Line
- Standards/regulations: IEC 62196-2
- Charging standard: Type 2
- Charging mode: Mode 3, Case B
- Type of charging current: AC 1-phase

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 7,4 kW
- Number of phases 1
- Number of power contacts 5 (L1, N, PE)
- Rated current of power contacts 32 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 220 Ω (between PE and PP)

Mechanical properties

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

Design

- Design line C-Line
- Housing color black
- Pin connector pattern 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 6.0 mm² + 1 x 0.5 mm² (prEN 50620, VDE Reg. 8789 class 5)
- External cable diameter 17 mm ±0.4 mm
- Type of conductor straight
- Outer sheath, material TPE-U
- External sheath, color black
- Minimum bending radius 255 mm (15 x diameter)