

PHOENIX CONTACT charging cable

TYPE 1 | 20A | 1phase | 5kW | 5m

Very accurate processed mobile EV charging cable 2nd generation Type2 - Type1 with Vehicle Connector and Infrastructure Plug with protective caps, 20A / 250 V (AC).

Product definition

- Type: C-Line
- Standards/regulations: IEC 62196-2 / SAE J1772
- Charging standard: Type 2 / Type 1
- Charging mode: Mode 3, Case B
- Type of charging current: AC single-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 5 kW
- Number of phases 1
- Number of power contacts 3 (L1, N, PE)
- Rated current of power contacts 20 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
- Actuating lever material Metal
- Material protective cap Soft plastic
- Material surface of contacts Ag

Cable

- Cable structure 3 x 2,5 mm² + 1 x 0.5 mm² (prEN 50620, VDE Reg. 8789 class 5)
- External cable diameter 10,2 mm ±0.3 mm
- Type of conductor straight
- Outer sheath, material TPE-U
- External sheath, color black
- Minimum bending radius 153 mm (15 x diameter)