

# PHOENIX CONTACT charging cable

## TYPE 2 | 20A | 3phase | 16,6 kW | 4m

Very accurate processed mobile EV charging cable Type 2 - Type 2 (IEC 62196-2) with Vehicle Connector and Infrastructure Plug and with protective caps, 20 A / 250 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 3-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 16,63 kW
- Number of phases 3
- Number of power contacts 5 (L1, L2, L3, N, PE)
- Rated current of power contacts 20 A
- Rated voltage for power contacts 480 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 680  $\Omega$  (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 5 x 2.5 mm<sup>2</sup> + 1 x 0.5 mm<sup>2</sup> (prEN 50620, VDE Reg. 8789 class 5)
- External cable diameter 12,8 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)