

# EV EXPERT charging cable TYPE 1 | 32A | 1phase | 7,4kW | 5 - 8m

Very accurate processed mobile EV charging cable 2nd generation Type1 (SAE J1772) - Type2 (IEC 62196-2) with Vehicle Connector and Infrastructure Plug, with locking option for U-lock, with protective caps, compatible with 16-32 A / 250 V (AC).

## Product definition

- 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 7,4 kW
- Number of phases 1
- Number of power contacts 3 (L1, N, PE)
- Rated current of power contacts 32 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

- Housing color black
- Pin connector pattern color black
- Color handle area blue
- 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 6.0 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 192 mm (15 x diameter)

#### **Locking**

- Locking type Locking option for actuating lever with 4 mm U-lock