

PURWIL EVC DC-Charging Cables EU

210_EU

Robust and flexible polyurethane battery recharger cable with pilot core(s), reduced outer diameter

Application

For the connection of the electric car to the charging outlet.

Construction

Pilot cores:

- Copper cord cl. 5 (EN 60228)
- Crosslinked EPR insulation (EVI2)
- Conductor white numbered

Power cores:

- Copper cord cl. 6 (EN 60228)
- Crosslinked HEPR insulation (EVI2)
- Conductor colour : black, red, green-yellow

Cable:

- Stranded in layer
- Sheath flamretardand Polyurethan (FRNC-TPU) (EVM1)

Jacket colour

Black similar to RAL 9005
Other colours on request

Description

- Jacket with enhanced flexibility
- very robust and durable

- very good flexibility at low and ambient temperature
- resistance to UV radiation, ozone and weathering
- very good oil and petrol resistance
- Min. bending radius $9 \times D$ ($D = \text{cable-}\varnothing$)
- halogen-free
- flame retardant

Electrical data

Pilot cores:

- Nominal voltage: U_0/U 600 / 1.000 V
- Test voltage: 3500 V / 50 Hz

Power cores:

- Nominal voltage: U_0/U 600 / 1.000 V
- Test voltage: 3.500 V / 50 Hz

Temperature range

- $-40^\circ\text{C} \dots +90^\circ\text{C}$
- in case of a short circuit up to 160°C for 5s

Standards

EN 50620
IEC 62893-4-1
EN 60754-1 Halogen free
EN 60754-2 No corrosive gases
Approval VDE Reg.No. 8798

Remarks

Special labelling of outer sheath on request



Technical data

Cross-section	Part no.	Conductor code	Acceptable current load freely in air, 30°C and surface temperature of max. +50°C	Ø D	Cu-number	Weight
mm ²			A	mm	kg/km	kg/km
3G16 + 6X0.75	522271	2LPE + 6L	80	18.5 ± 0.4	504.0	715
2X35 + 1G25 + 6X0.75	522272	2LPE + 6L	158	25.6 ± 0.4	955.2	1195
2X50 + 1G25 + 6X0.75	522273	2LPE + 6L	175	28.2 ± 0.4	1243.2	1525
2X70 + 1G35 + 6X0.75	522275	2LPE + 6L	220	30.0 ± 0.5	1723.2	2230
2x [2X50] + 1G50 + 6x1.5	522262	2LPE + 6L	250	36.5 ± 0.4	2486.4	2800