

PURWIL HPC Cables IEC

210_IEC

Robust and flexible polyurethane charging cable with control wires and optimized outer diameter

Application

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

Construction

Control wires:

- Cu conductor Kl.5 bare (EN 60228)
- Core insulation made of EPR
- Core color: white, numbered

Power cores:

- Cu-conductor Kl.6 bare (EN 60228)
- Core insulation made of cross-linked HEPR
- Core colors black, red, green-yellow

Cable:

- Power cores stranded with the control wires and fillers
- Jacket material made of flame retardant polyurethane (PUR-FRNC)

Jacket colour

Black similar to RAL 9005

Description

- Sheath with improved flexibility
- high mechanical strength
- good cold flexibility
- good oil and fuel resistance
- UV, ozone and weather resistant
- min. bending radius 10 x D dynamic (D = cable Ø)
- halogen-free
- flame retardant

Electrical data

Signal wires:

- Nominal voltage: U₀/U 600 / 1.000 V
- Test voltage: 3.500 V / 50 Hz

Power cores:

- Nominal voltage: U₀/U 600 / 1.000 V
- Test voltage: 3.500 V / 50 Hz

Temperature range

- -40°C ... +90°C
- in case of a short circuit up to 160°C for 5s

Standards

IEC 62893-4-1:2020
Approval VDE Reg.No. 8798
IEC 60754-1 Halogen free
IEC 60754-2 No corrosive gases



Technical data

Cross-section mm ²	Part no.	Conductor code	Acceptable current load freely in air 30°C A	Ø D mm	Copper index kg/km	Weight kg/km
2X70 + 1G35 + [8X0.75C]	522300	2LPE + 8L	220	33.8 ± 0.4	1753.0	2150
2x[2X50] + 1G50 + [8x0.75C]	522301	2LPE + 8L	300	38.2 ± 0.4	2473.0	2795
2x[2X50] + 1G50 + 6x1.5	522305	2LPE + 6L	300	38.2 ± 0.4	2486.4	2790
2x[2X55] + 1G55 + [8x0.75C]	522313	2LPE + 8L	375	42.2 ± 0.4	2713.0	3488

