DC charging cables PURWIL HPC NACS UL

213_NACS UL

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 AWG 18, bare (IEC 60228)
- Core insulation made of EPR
- Core color: white, numbered

Power cores:
- Cu-conductor AWG (Kl.6), bare (IEC 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: Uo/U 600 / 1.000 V
- Test voltage: 3.500 V / 50 Hz

Power cores:
- Nominal voltage: Uo/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

UL recognized E530622
IEC 60754-1 Halogen free
IEC 60754-2 No corrosive gases

Technical data

Cross-section AWG	Part no.	Conductor code	Current carrying capacity at 40°C ambient temperature A	Ø D mm	Copper index kg/km	Weight kg/km
2x 2/0 AWG + 1G7 AWG + [8x 18 AWG C]	822341	2LPE+8L	300	34.3 ± 0.4	2129.0	1551
2x 4/0 AWG + 1G7 AWG + [8x 18 AWG C]	822339	2LPE+8L	400	40.6 ± 0.4	3056.0	2254

Subject to change without notice

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