

PURWIL HPC Cables UL

211_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: 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

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



Technical data

Cross-section	Part no.	Conductor code	Acceptable current load freely in air 30°C and surface temperature of max. +50°C A	Ø D mm	Copper index kg/km	Weight kg/km
2X2/0 + 1G2 +[8X18C]	522311	2LPE+8L	220	34.4 ± 0.4	1753.0	2300
2X[2X1] + 1G1 +[8X18C]	522312	2LPE+8L	250	40.5 ± 0.4	2473.0	3150

