PURWIL HPC CCS2 CLASSIC 850 LCC

DC high-power charging cable with CCS2 connector for fast charging of electric vehicles using direct current (DC).
The robust CCS2 charging connector, combined with the durable PUR (polyurethane) DC cable, provides an ideal solution for long-lasting and efficient performance under demanding outdoor conditions.
Patented cooled cable construction and connection technology (US Patent 12, 183, 487 B2)
Rated current (at 40 °C) : 850 A
Rated voltage : 1'000 V DC

2414_850_Classic

CCS2 Connector Classic

- Charging standard : CCS Type 2
- IP Rating : IP67
- Proximity pilot resistant : 1'500 Ω (between PE and PP)
- Ambient temperature (operation) : -30 °C to +40 °C (Higher ambient temperature possible with current reduction required, observe the DC contacts temperature limit of 90 °C)
- Temperature monitoring : 6x PT1000
- Insertion / withdrawal cycles : >10.000
- Contacts : replaceable
- Front face : replaceable

DC charging cable PURWIL HPC 850 LCC

- Possible cable length : Up to 10 m
- Execution : one end assembled with CCS2 Classic charging plug
- Second end assembly : possible on request
- Cross-section : 2x 35 + 1G35 + [12x 0.75 C]
- Cable weight : 1.76 kg/m
- Outer diameter : 38.0 ± 0.4 mm
- Bending radius : 10 x D
- Temperature range : -40 °C to +90 °C

Standards

Based on IEC 62893-4 EV cables
IEC 62196-3-1:2022 certified

Remarks

Current carrying capacity depends on the cooling unit, ambient conditions and cable length.
Restrictive temperature limits : max. 90 °C (DC contacts), max. 85 °C (cable insulation)
Max. current when using a 3.5 kW cooling unit

Charge Capacity (at 40 °C)

Cable length m	Current A
4	1028
5	954
6	898
7	853
8	816
8.5	800
10	757

Subject to change without notice

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BRUGG eConnect
BRUGG eConnect
info.econnect@brugg.com

Assembled charging connector

Standard Article Connection Cable (further cable lengths on request)

Description	Cable length m	Part no
PURWIL HPC CCS2 CLASSIC 850 LCC	4	560862
PURWIL HPC CCS2 CLASSIC 850 LCC	5	560863
PURWIL HPC CCS2 CLASSIC 850 LCC	6	560864
PURWIL HPC CCS2 CLASSIC 850 LCC	7	202230
PURWIL HPC CCS2 CLASSIC 850 LCC	8	202231
PURWIL HPC CCS2 CLASSIC 850 LCC	9	561193
PURWIL HPC CCS2 CLASSIC 850 LCC	10	201034

Technical information valid for products with manufacturing number PO26-XXXX and onwards

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BRUGG eConnect
info.econnect@brugg.com