

Assembled charging connector

PURWIL HPC CCS2 COMPACT 250

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.

Rated current : 270 A (at 40 °C)

Boost Mode (15 minutes at 40 °C) : 422 A

Rated voltage : 1'000 V DC

2412_250_Compact



CCS2 Connector Compact

- Charging standard : CCS Type 2
- IP Rating : IP69
- 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 temperature limit at DC contacts of 90 °C)
- Temperature monitoring : 2x PT1000
- Insertion/withdrawal cycles : >10'000
- Contacts : replaceable
- Front face : replaceable

DC charging cable PURWIL HPC 250

- Possible cable length : Up to 10 m
- Execution : one end assembled with CCS2 Compact charging plug
- Second end assembly : possible on request
- Cross-section : 2x 70 + 1G35 + [8x 0.75 C]
- Cable weight : 2.15 kg/m
- Outer diameter : 34.0 \pm 0.4 mm
- Bending radius : 10 x D
- Temperature range : -40 °C to +90 °C

Standards

IEC 62893-4-1:2020

IEC 62196-1:2022 certified

IEC 62196-3:2022 certified

Remarks

Restrictive temperature limits : max. 90 °C (DC contacts), max. 85 °C (cable insulation)

Charge Capacity

Ambient temperature (operation) °C	Current A	15 Min Boost A
30	295	462
35	283	442
40	270	422
45	256	400
50	241	377
55	225	353
60	209	326

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

