

## Assembled charging connector

# PURWIL HPC CCS2 CLASSIC 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) : 385 A

Rated voltage : 1'000 V DC

2412\_250\_Classic



### CCS2 Connector Classic

- Charging standard : CCS Type 2
- IP Rating : IP67
- Proximity pilot resistant : 1'500  $\Omega$  (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 Classic 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	421
35	283	403
40	270	385
45	256	365
50	241	344
55	225	322
60	209	298

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

