

## Assembled charging connector

# PURWIL HPC CCS1 250

2422\_250

DC High-Power Charging cable with CCS1 connector for fast charging of electric vehicles using direct current (DC). The robust CCS1 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 : 250 A (at 40 °C / 104 °F)

Boost Mode (15 minutes at 40 °C / 104 °F) : 400 A

Rated voltage : 1'000 V DC



### CCS1 Connector

- Charging standard : CCS Type 1
- IP Rating : 3S
- Aluminium locking system
- Proximity pilot resistant : 150  $\Omega$  (lever nicht actuated) / 480  $\Omega$  (lever actuated)
- Ambient temperature (operation) : -30 °C to +40 °C (-22 °F to +104 °F) (Higher ambient temperature possible with current reduction required, observe temperature limit at DC contacts of 90 °C / 194 °F)
- 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 (32 ft 9.7 in)
- Execution : one end assembled with CCS1 charging plug
- Second end assembly : possible on request
- Cross-section : 2x 2/0 AWG + 1G2 AWG + [8x 18 AWG C]
- Cable weight : 2.22 kg/m (1.49 lb/ft)
- Outer diameter : 34.4  $\pm$  0.4 mm (1.4  $\pm$  0.02 in)
- Bending radius : 10 x D
- Temperature range : -40 °C to +90 °C (-40 °F to +194 °F)

### Standards

UL 2251:2022 (E533817)

UL 2263:2022 (E530622)

### Remarks

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

### Charge Capacity

Ambient temperature (operation) °C	Ambient temperature (operation) °F	Current A	15 Min Boost A
30	86	306	438
35	95	293	419
40	104	280	400
45	113	265	379
50	122	250	357
55	131	234	334
60	140	217	309

