

PURWIL High Power Charging Cable CCS-1 850+

DC high power charging cable with CCS-1 connector

2424_850

Application

HPC Systeme assembled with CCS-1 vehicle connector. Open cable end. Cable in accordance to UL 2263, connector based on IEC 62196-3, SAE J1772 and UL 2251-2017-II.

Your advantages:

- Permissible current up to 850A with required cooling.
- Protection class IP69
- Power and signal contacts silver plated
- Easily replaceable power contacts and front housing
- High cable flexibility and optimal system handling
- Cable Ø of only 38.0mm
- Connectors and cables developed and manufactured by BRUGG eConnect

Technical Data

System:

- Charging standard: CCS Type 1
- Rated current of system: 850A
- Rated voltage of system: 1.000V DC
- Maximum charging power: 850kW
- Proximity pilot resistant: 150Ω and 330Ω (serial connection between PE and PP)
- Ambient temperature (operation): -35°C ... +45°C
- Temperature monitoring: 4x PT 1000
- DC/PE contacts: possible to replace (screwed)
- Insertion/withdrawal force: < 100N
- Insertion/withdrawal cycles: >10.000 (can be extended if DC/PE contacts are replaced)

Cable:

- Cross-section: 2X2AWG +1G2AWG + [12X18AWG C]
- Bending radius: 10 x D
- Diameter: 38.0 ± 0.4mm
- Temperatur range: -40°C ... +90°C

Standards

UL Recognized E530622

Based on IEC 62196-3

Based on UL 2251-2017-II



Selection Chart Connecting cables

Part no	Cable type AWG	Charge coupler type	Cable length m	Stripping length mm	Copper Index kg/set	Weight appr. kg/set
561730	2X2 + 1G2 + [12X18C]	CCS-1	5.0	250	5.77	10.2
561731	2X2 + 1G2 + [12X18C]	CCS-1	6.0	250	6.88	12.0

