

# PURWIL High Power Charging Cable CCS-1 500

DC high power charging cable with CCS-1 connector

2423\_500

## Application

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

Your Benefits:

- Admissible current up to 500A without cooling needed
- Protection code IP69
- Power and signal contacts silver-plated
- Easily replaceable power contacts and front case
- High cable flexibility and optimal system handling
- cable Ø of just 40.5mm
- Connector and cable developed and manufactured by BRUGG eConnect
- Customized length and cable end assembling possible

## Technical Data

System:

- Charging standard: CCS Type 1
- Rated current of system: 250A
- Rated current peak 500A
- Rated voltage of system: 1.000V DC
- Maximum charging power: 300kW (peak 500kW)
- Proximity pilot resistant: 150Ω and 330Ω (Serial between PE and PP)
- Ambient temperature (operation): -35°C ... +45°C
- Temperature monitoring: 2x 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: 2x[2X1AWG]+1G1AWG+[8X18AWG C]
- Bending radius: 10 x D
- Diameter: 40.5 ± 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	Copper Index kg/set	Weight appr. kg/set
561728	2X[2X1] + 1G1 + [8X18C]	CCS-1	5.0	12.86	17.4
561729	2X[2X1] + 1G1 + [8X18C]	CCS-1	6.0	15.33	20.5

