

PURWIL High Power Charging Cable CCS-2 500 Compact

DC high power charging cable with CCS-2 connector

2413_500_Compact

Application

HPC cable assembled with CCS-2 vehicle connector. Open cable end. Cable according to IEC 62893-4-1, connector based on IEC 62196-3 .

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 38.2mm
- Connector and cable developed and manufactured by BRUGG eConnect
- Customized length and cable end assembling possible



Technical Data

System:

- Charging standard: CCS Type 2
- 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: 1.500Ω (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[2X50]+1G50+6X1.5, Ø 38.2mm
- or 2x[2X50]+1G50+[8X0.75C], Ø 38.2mm
- or 2x[2X55]+1G55+[8X0.75C], Ø 42.2mm
- Diameter tolerance: ± 0.4mm
- Bending radius: 10 x D
- Temperatur range: -40°C ... +90°C

Standards

IEC 62893-4-1:2020

Based on IEC 62196-3

Selection Chart Connecting cables

Part no	Cable type mm ²	Charge coupler type	Cable length m	Copper Index kg/set	Weight appr. kg/set
	2x[2X50]+1G50+[8X0.75C]	CCS-2 Compact	5.0	13.18	15.9
	2x[2X50]+1G50+[8X0.75C]	CCS-2 Compact	6.0	15.58	18.7
561372	2x[2X50]+1G50+[8X0.75C]	CCS-2 Compact	11.0	27.94	32.7
	2x[2X55]+1G55+[8X0.75C]	CCS-2 Compact	5.0	14.38	19.6

