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 36.6mm
- 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 contaacts are replaced)

Cable:
- Cross-section: 2x[2X50]+1G50+6X1.5 or oder 2x[2X50]+1-G50+[8X0.75C]
- Bending radius: 10 x D
- Diameter: 36.6 ± 0.5mm
- 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 mm²	Charge coupler type	Cable length m	Copper Index kg/set	Weight appr. kg/set
561233	2x[2X50]+1G50+6X1.5	CCS-2 Compact	4.0	9.95	11.3
561293	2x[2X50]+1G50+6X1.5	CCS-2 Compact	5.0	12.43	13.7
561341	2x[2X50]+1G50+6X1.5	CCS-2 Compact	6.0	14.92	16.1
561360	2x[2X50]+1G50+6X1.5	CCS-2 Compact	8.0	19.89	20.9

Subject to change without notice

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