

# PURWIL High Power Charging Cable CCS-2 500 Classic

DC high power charging cable with CCS-2 connector

2413\_500\_Classic

## 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 IP67
- 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, DM 38.2mm
- or 2x[2X50]+1G50+[8X0.75C], DM 38.2mm
- or 2x[2X55]+1G55+[8X0.75C], DM 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 <sup>2</sup>	Charge coupler type	Cable length m	Copper Index kg/set	Weight appr. kg/set
	2x[2X50]+1G50+[8X0.75C]	CCS-2 Classic	5.0	12.93	15.5
	2x[2X50]+1G50+[8X0.75C]	CCS-2 Classic	6.0	15.33	18.3
561702	2x[2X50]+1G50+[8X0.75C]	CCS-2 Classic	8.0	20.28	23.9
561613	2x[2X50]+1G50+[8X0.75C]	CCS-2 Classic	11.0	27.70	32.3
	2x[2X55]+1G55+[8X0.75C]	CCS-2 Classic	5.0	14.11	19.1

