

## Charging cables assembled

# EVC High Power Charging cable PURWIL Connect 500 Classic

DC high power charging cable with CCS-2 connector

2413\_500\_Classic

### Application

DC charging cable assembled with CCS-2 vehicle connector.  
Open cable end. Cable according to EN 50620 / 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 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 contacts are replaced)

Cable:

- Cross-section: 2x[2X50]+1G50 + Control wires according to table
- Bending radius: 10 x D
- Diameter: 36.6 ± 0.5mm
- Temperatur range: -40°C ... +90°C

### Standards

EN 50620

IEC 62893-4-1

Based on IEC 62196-3



### Selection Chart Connecting cables

| Part no | Cable type<br>mm <sup>2</sup> | Charge coupler<br>type | Cable length<br>m | Cu-number<br>kg/set | Weight<br>appr. kg/set |
|---------|-------------------------------|------------------------|-------------------|---------------------|------------------------|
| 560859  | 2x[2X50]+1G50+6X1.5           | CCS2 Classic           | 4.0               | 9.95                | 11.0                   |
| 560860  | 2x[2X50]+1G50+6X1.5           | CCS2 Classic           | 5.0               | 12.43               | 13.4                   |
| 560861  | 2x[2X50]+1G50+6X1.5           | CCS2 Classic           | 6.0               | 14.92               | 15.8                   |
| 561317  | 2x[2X50]+1G50+6X1.5           | CCS2 Classic           | 8.0               | 19.89               | 20.5                   |
| 561591  | 2x[2X50]+1G50+[8X0.75C]       | CCS2 Classic           | 4.0               | 9.89                | 11.3                   |
| 561581  | 2x[2X50]+1G50+[8X0.75C]       | CCS2 Classic           | 5.0               | 12.36               | 13.7                   |
| 561518  | 2x[2X50]+1G50+[8X0.75C]       | CCS2 Classic           | 6.0               | 14.84               | 16.1                   |
| 561577  | 2x[2X50]+1G50+[8X0.75C]       | CCS2 Classic           | 7.5               | 18.55               | 19.7                   |