

## Charging cables assembled

# EVC High Power Charging cable PURWIL Connect 850+ Classic

DC high power charging cable with CCS-2 connector

2414\_850\_Classic

### Application

DC charging cable assembled with CCS-2 vehicle connector.  
Open cable end. Cable according to EN 50620 / IEC62893-4-1,  
connector based on IEC 62196-3.

Your advantages:

- Permissible current up to 850A with required cooling.
- Protection class IP67
- Power and signal contacts silver plated
- Easily replaceable power contacts and front housing
- High cable flexibility and optimal system handling
- Cable Ø of only 36mm
- Connectors and cables developed and manufactured by BRUGG eConnect

### Technical Data

System:

- Charging standard: CCS Type 2
- Rated current of system: 850A
- Rated voltage of system: 1.000V DC
- Maximum charging power: 850kW
- Proximity pilot resistant: 1.500Ω (between PE and PP)
- Ambient temperature (operation): -35°C ... +45°C
- Temperature monitoring: 4x 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: 2X35+1G35+4X[3X0.75]mm<sup>2</sup>
- Bending radius: 10 x D
- Diameter: 36 ± 0.5mm
- Temperature range: -40°C ... +90°C

### Standards

Based on IEC 62893 EV cables  
Based on IEC 62196-3



### Selection Chart Connecting cables

Part no	Cable type mm <sup>2</sup>	Charge coupler type	Cable length m	Stripping length mm	Cu-number kg/set	Weight appr. kg/set
560937	2X35+1G35+4x[3X0.75]	CCS2 Classic	3.0	100.0	3.28	5.5
560862	2X35+1G35+4x[3X0.75]	CCS2 Classic	4.0	100.0	4.38	7.8
561150	2X35+1G35+4x[3X0.75]	CCS2 Classic	4.5	100.0	4.92	8.0
560863	2X35+1G35+4x[3X0.75]	CCS2 Classic	5.0	100.0	5.47	8.8
561359	2X35+1G35+4x[3X0.75]	CCS2 Classic	5.0	400.0	5.47	8.8
560864	2X35+1G35+4x[3X0.75]	CCS2 Classic	6.0	100.0	6.57	10.5
561276	2X35+1G35+4x[3X0.75]	CCS2 Classic	6.5	100.0	7.11	11.3
561166	2X35+1G35+4x[3X0.75]	CCS2 Classic	8.5	500.0	9.30	14.7
561193	2X35+1G35+4x[3X0.75]	CCS2 Classic	9.0	100.0	9.85	15.5
561167	2X35+1G35+4x[3X0.75]	CCS2 Classic	10.0	500.0	3.28	17.2
561089	2X35+1G35+4x[3X0.75]	CCS2 Classic	12.0	100.0	13.13	20.5