

## Charging cables assembled

# PURWIL MCS charging cable Level-3

DC high power charging cable with MCS Level-3 connector

2430\_MCS

### Application

The MCS charging system can be used to charge all kinds of heavy-duty vehicles, such as agricultural and construction vehicles, heavy-duty trucks, e-boats and other vehicles wherever fast charging is needed.

### Description

Megawatt charging system assembled with MCS Level-3 vehicle coupler. Open cable end. Cable based on IEC 62893-4-1, connector based on CharIn initiative.

Your advantages:

- Permissible current up to 3'000A with required cooling.
- Power and signal contacts silver plated
- Easily replaceable power contacts as well as front housing
- High cable flexibility and optimal system handling
- Cable Ø of 56.2mm
- Cable developed and manufactured by BRUGG eConnect

### Technical Data

System:

- Charging standard: MCS Level-3
- Rated current of system: up to 3.000A
- Rated voltage of system: 1.500V DC
- Maximum charging power: 4.500kW
- Ambient temperature (operation): -35°C ... +45°C
- DC/PE contacts: possible to replace (screwed)
- Insertion/withdrawal cycles: >10.000 (can be extended if DC/PE contacts are replaced)

Cable:

- Cross-section: 2X120+1G120+[18x0.75C]
- Bending radius: 10 x D
- Diameter: 56.2 ± 0.5mm
- Temperatur range: -40°C ... +90°C

### Standards

Based on IEC 62893-4 EV cables



### 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
	2X120+1G120+[18X0.75C]	MCS Level-3	1.0	3.56	0.0