

# Connector with Cable for Electric Vehicle Fast Charger

## CHAdeMO Interface-Connector

### Advantages

- Easy operation (just pushing on to plug in)
  - Robust and ergonomic small connector
  - Vivid LED illuminating while energizing
  - Small outer diameter cable
  - First model: launched in 2010
- Compliant to IEC 62196-3: Configuration AA
  - Marking: CE, UKCA
  - Current range: 60A, 100A, 125A
  - Operating ambient temperature :  $-30^{\circ}\text{C}$  to  $50^{\circ}\text{C}$



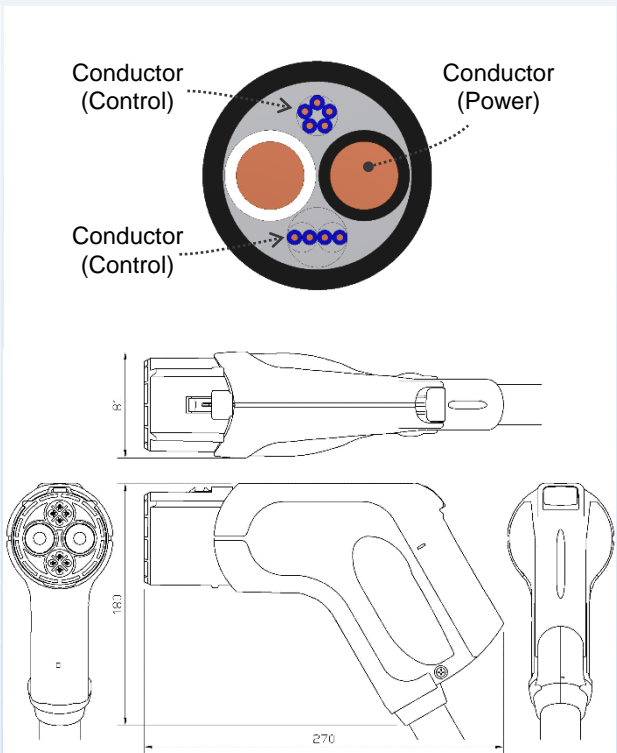
### Characteristic

All three of rated current-connectors with flexible cable are certified to meet BS EN IEC standard 62196-3 by TÜV Rheinland.

Rated voltage	DC500V		
Rated current	60A	100A	125A
Insulation resistance	100M $\Omega$ or more		
Withstand voltage	AC3000V (/ 1 min)		
Insertion force	Less than 100N		
Temperature rise	Connector housing: Less than 60 $^{\circ}\text{C}$ Terminal: Less than 50K		
Drop impact	No abnormality after free falling from 1m to concrete		
Water proofing	Disconnected: IP44, While connected: IP56		
Mechanical endurance	No serious damage Terminal temperature rise: 50K or less		

## Specification

Cable	Rated Voltage	( $U_0 / U$ ) 600 V / 1000 V		
	Conductor	Power	Control	Control
	Cross sectional area	10 mm <sup>2</sup> 25 mm <sup>2</sup> 35 mm <sup>2</sup>	0.75 mm <sup>2</sup>	0.75 mm <sup>2</sup>
	Number of cores	2	7	1 pair
	Nominal Outer diameter	(Power conductor) 10 mm <sup>2</sup> : 19.3 mm 25 mm <sup>2</sup> : 23.6 mm 35 mm <sup>2</sup> : 25.9 mm		
Connector	Dimension	L 270 mm x H 180 mm x W 81 mm		
	Weight	approx.1.1 kg (without cable)		
	Housing	Thermoplastic		
	Latch	Stainless steel		



## How to Operate

### - Connecting to vehicle inlet

Hold the grip firmly and insert it straight in a vertical direction to the vehicle side inlet.



### - Disconnecting from vehicle inlet

Pushing the release button, pull the grip straight out vertically to the vehicle side inlet. Make sure to confirm that the LED light turns off before disconnecting.

