

### 1 Phase / 3 Phase Type 2 AC Charging Gun Cable Assembly

PERFORMANCE STANDARD  
**IEC 62196-2**



#### FEATURES

- 1 Insulated terminal design
- 2 Ergonomic “Pistol Grip” style (IP 54 rated) for easy plugging
- 3 Pressure, abrasion, and impact resistance
- 4 Great weatherability
- 5 High quality finish and appearance
- 6 Dust cap attached
- 7 Customisable cable length and colour

#### OPERATING TEMPERATURE

**Assembly** -20°C to +70°C  
**Cable** -40°C to +90°C



### ELECTRICAL PROPERTIES

Rated Current	16A or 32A or 63A
Rated Voltage	250V / 415V AC
Withstand Voltage	2000V
Contact Resistance	0.055±0.005Ω
Insulation Resistance	500MΩ ( DC 500V )

### MATERIAL

Shell	Thermoplastic
Contact Bush	Copper alloy, Silver or Nickel plating
Inserts	Thermoplastic
Sealing gasket	Rubber or Silicon rubber
Insulator inflammability	UL94 V-0

### MECHANICAL PROPERTIES

Mating cycles	≥ 5000 cycles (unloading)
Connector (in mated condition) retention force:-	
AC coupler	Unmating
Contact Resistance	Mating
Mating Force	≤ 80N



### STANDARD WIRING

Rated Current	Cable Specification	Part No
16A (1 Phase)	3C x 2.5 mm <sup>2</sup> + 1C or 2C x 0.5 mm <sup>2</sup>	NMT AC-TYPE2-16A-1P-LL
16A (3 Phase)	5C x 2.5 mm <sup>2</sup> + 1C or 2C x 0.5 mm <sup>2</sup>	NMT AC-TYPE2-16A-3P-LL
32A (1 Phase)	3C x 6 mm <sup>2</sup> + 1C or 2C x 0.5 mm <sup>2</sup>	NMT AC-TYPE2-32A-1P-LL
32A (3 Phase)	5C x 6 mm <sup>2</sup> + 1C or 2C x 0.5 mm <sup>2</sup>	NMT AC-TYPE2-32A-3P-LL
63A (1 Phase)	3C x 16 mm <sup>2</sup> + 1C or 2C x 0.5 mm <sup>2</sup>	NMT AC-TYPE2-63A-1P-LL
63A (3 Phase)	5C x 16 mm <sup>2</sup> + 1C or 2C x 0.5 mm <sup>2</sup>	NMT AC-TYPE2-63A-3P-LL

**Note:-** 'LL' in the above table denotes length in metres.

## GB/T – 200Amps DC Charging Gun Cable Assembly

PERFORMANCE STANDARD  
**GB/T 20234.2-2015**



### FEATURES

- 1 Insulated terminal design
- 2 Ergonomic “Pistol Grip” style (IP 54 rated) for easy plugging
- 3 Pressure, abrasion, and impact resistance
- 4 Great weatherability
- 5 High quality finish and appearance
- 6 Dust cap attached
- 7 Customisable cable length and colour

### OPERATING TEMPERATURE

**-20°C to +70°C**



### ELECTRICAL PROPERTIES

Rated Current	200A
Rated Voltage	750V
Withstand Voltage	5000V
Temperature Rise	<50K
Contact Resistance	0.5mQ Max
Insulation Resistance	>1000MQ (DC 500V)



### MATERIAL

Shell	Thermoplastic
Contact Bush	Copper alloy, Silver or Nickel plating
Inserts	Thermoplastic
Insulator inflammability	UL94 V-0

### MECHANICAL PROPERTIES

Mechanical Life	No-load plug in / pull out > 5,000 times
Impact of External Force	Can afford 1m drop and 2t vehicle run over pressure
Locking of Connector	Pulse Lock
Temperature Sensor of Gun	PT 1000 on request



### CABLE TECHNICAL PARAMETERS

Operating Temperature	-20°C to +125°C
Withstand Resistance	3kV AC / 5mins
Dimension of Outer Jacket	38 ± 3 mm
Standard length of cable with Assembly	5mtrs / 7mtrs

Second Side - Open or with lugs as per request

### STANDARD WIRING

Rated Current	Cable Specification	Part No
200A	2C x 70mm <sup>2</sup> + 1C x 25mm <sup>2</sup> + Control & Can Wires	DC-GB/T-200A-1-XX
200A	2C x 80mm <sup>2</sup> + 1C x 35mm <sup>2</sup> + Control & Can Wires	DC-GB/T-200A-2-XX

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## CCS 2 COMBO DC CHARGING GUN CABLE ASSEMBLY

PERFORMANCE STANDARD

### IEC 62196-3



### FEATURES

- 1 Insulated terminal design
- 2 Ergonomic “Pistol Grip” style (IP 55 rated) for easy plugging
- 3 Pressure, abrasion & impact resistance
- 4 Great weatherability
- 5 High quality finish & appearance
- 6 Customisable cable length and colour

### OPERATING TEMPERATURE

**Assembly** -20°C to +70°C

**Cable** -40°C to +90°C or  
-20°C to +80°C



### ELECTRICAL PROPERTIES

Rated Current	150A or 200A
Rated Voltage	1000V DC
Withstand Voltage	2000V
Contact Resistance	0.5mΩ Max
Insulation Resistance	>2000MΩ ( DC 1000V )

### MATERIAL

Shell	Thermoplastic
Contact Bush	Copper alloy, Silver or Nickel plating
Sealing gasket	Rubber or Silicon rubber
Insulator inflammability	UL94 V-0

### MECHANICAL PROPERTIES

Mating cycles	≥ 5000 cycles (unloading)
Connector (in mated condition) retention force:-	
AC coupler	Unmating
Contact Resistance	Mating
Insertion and Extration Force	70N<F<140N



### STANDARD WIRING

Rated Current Cable Specification	Part No
250A – 2C x 80 mm <sup>2</sup> + 1C x 35 mm <sup>2</sup> + 6C x 0.75 mm <sup>2</sup>	DC – CCS2COMBO – 250A – LL
200A – 2C x 70 mm <sup>2</sup> + 1C x 25 mm <sup>2</sup> + 6C x 0.75 mm <sup>2</sup>	DC – CCS2COMBO – 200A – LL
150A – 2C x 50 mm <sup>2</sup> + 1C x 25 mm <sup>2</sup> + 6C x 0.75 mm <sup>2</sup>	DC – CCS2COMBO – 150A – LL
100A – 2C x 25 mm <sup>2</sup> + 1C x 16 mm <sup>2</sup> + 6C x 0.75 mm <sup>2</sup>	DC – CCS2COMBO – 100A – LL
63A – 2C x 16 mm <sup>2</sup> + 1C x 16 mm <sup>2</sup> + 6C x 0.75 mm <sup>2</sup>	DC – CCS2COMBO – 63A – LL

Note:- 'LL' in the above table denote length in metres.