

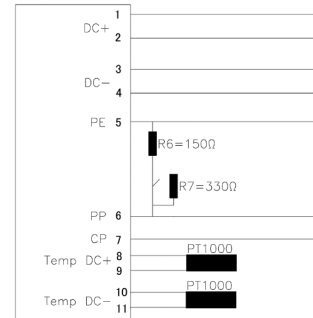
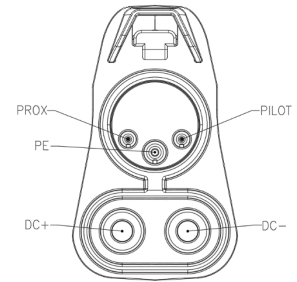
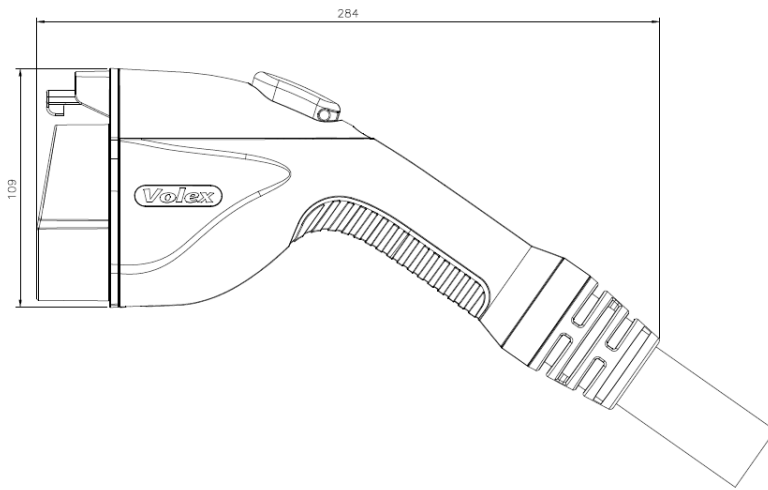
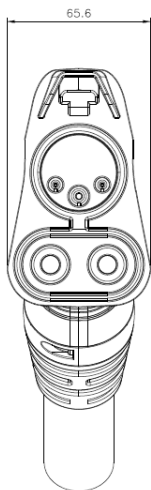
# CCS1 150 / 200A

## DC Charging Cable



PRODUCT DEFINITION		
Charging Standard	J1772	
Standards / Regulations	UL 2251, CSA C22.2 NO. 282, SAE J1772	
Approval	UR / cUR	
DIMENSIONS: VEHICLE CONNECTOR		
Width	65.6 mm	
Height	109 mm	
Depth	284 mm	
Cable Length	On Request	
AMBIENT CONDITIONS		
Ambient Temperature (Operation)	-40°C to +50°C	
Ambient Temperature (Storage / Transport)	-40°C to +105°C	
Max. Altitude	5,000 m (above sea level)	
Degree of Protection (Mated with Socket)	IP67	
Degree of Protection (Mated with Protective Cap)	IP44	
Degree of Protection (Plugged)	IP54	
ELECTRICAL PROPERTIES		
Number of Phases	DC	
Rated Voltage for Power Contacts	1,000V DC	
Rated Current for Power Contacts	150A	200A
Maximum Charging Power	150 kW	200 kW
Number of Power Contacts	3 (DC+, DC-, PE)	
Rated Voltage for Signal Contacts	30V AC	
Rated Current for Signal Contacts	2A	
Number of Signal Contacts	2 (CP, CS)	
Note on the Connection Method	Crimp Termination (cannot be disconnected)	
Resistor Coding (between PE and CS)	480 Ω (lever operated) 150 Ω (lever not operated)	
Temperature Sensor	2 x Pt1000	
Temperature Sensor Application Range	-50°C to +130°C	
Sensor Shutdown Temperature	Pt1000 temperature up to 90 °C	

**CCSI 150 / 200A DC CHARGING CABLE MECHANICAL DRAWING**



**MECHANICAL PROPERTIES**

<b>Mating Cycles</b>	> 10,000
<b>Insertion Force</b>	< 75 N
<b>Withdrawal</b>	< 75 N

MATERIAL		DESIGN	
<b>Material Housing / Handle Area</b>	Plastic	<b>Housing / Handle Area Colour</b>	Black
<b>Material Mating Face</b>	Plastic	<b>Mating Face / Locking Lever Colour</b>	Black
<b>Material Protective Cap</b>	Soft Plastic (Optional)	<b>Protective Cap Colour</b>	Black (Optional)
<b>Flammability Rating</b>	V0		
<b>Material Contacts</b>	Cu-Alloy	<b>Housing with Customer Logo</b>	On Request
<b>Plating</b>	Silver/Nickel Plating (or On Request)		

CABLE		
AMPERAGE	CABLE STRUCTURE	CABLE O.D.
150A	EVC 2 x 5AWG + 2 x 5AWG + 1 x 5AWG + 6 x 18AWG	27.0 mm
200A	EVC 2 x 3AWG + 2 x 3AWG + 1 x 3AWG + 6 x 18AWG	31.7 mm

CABLE RESISTANCE AT 20°C		
3AWG	5AWG	18AWG
≤ 0.70 Ω/km	≤ 1.11 Ω/km	≤ 22.4 Ω/km

<b>Cable Standard</b>	UL 62
<b>Type of Conductor</b>	Straight (or more types on request)
<b>Outer Sheath Material</b>	TPE Compound
<b>Outer Sheath Colour</b>	On Request

ENVIRONMENTAL PRODUCT COMPLIANCE	
<b>REACH SVHC</b>	Compliant
<b>China RoHS</b>	Compliant
<b>EU RoHS</b>	Compliant

Contact us at [sales@volex.com](mailto:sales@volex.com)  
for assistance in finding the right solution for your needs.