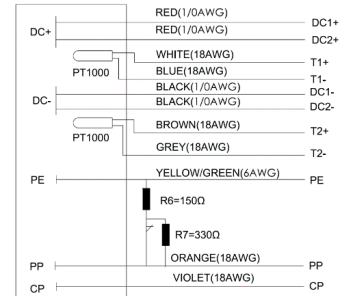
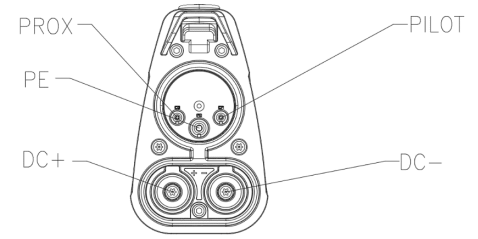
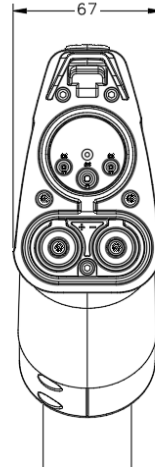
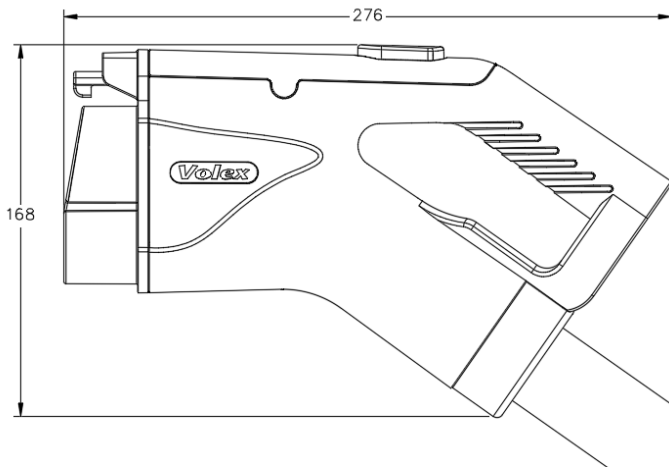


CCS1 250 / 350 / 375A DC Charging Cable



PRODUCT DEFINITION			
Charging Standard	SAE: SAE J1772 Combo (CCS1 DC) IEC: IEC 62196-2, Type 1		
Approval	UR / cUR Evaluated to UL 2251 and CSA C22.2 No. 282		
Charging Compatibility	Compatible with CCS1 DC Charging Stations Only		
DIMENSIONS: VEHICLE CONNECTOR			
Width	67.3 mm		
Height	168 mm		
Depth	276 mm		
Cable Length	On Request		
AMBIENT CONDITIONS			
Ambient Temperature (Operation)	-40°C to +50°C for the 350A		
	-40°C to +55°C for the 375A		
Ambient Temperature (Storage / Transport)	-40°C to +105°C		
Max. Altitude	5,000 m (above sea level)		
Degree of Protection (Mated with Socket)	IP67		
ELECTRICAL PROPERTIES			
Number of Phases	DC		
Rated Voltage for Power Contacts	1,000V DC		
Rated Current for Power Contacts	250A	350A	375A
Maximum Charging Power	250 kW	350 kW	375 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		

CCS1 250 / 350 / 375A DC CHARGING CABLE MECHANICAL DRAWING



MECHANICAL PROPERTIES

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

MATERIAL		DESIGN	
Material Housing / Handle Area	Plastic	Housing / Handle Area Colour	Black
Material Mating Face	Plastic	Mating Face / Locking Lever Colour	Black
Material Protective Cap	Soft Plastic (Optional)	Protective Cap Colour	Black (Optional)
Flammability Rating	V-0		
Material Contacts	Cu-Alloy	Housing with Customer Logo	On Request
Plating	Silver / Nickel Plating or On Request		

CABLE		
AMPERAGE	CABLE STRUCTURE	CABLE O.D.
250A	EVC 2 x 3 AWG + 2 x 3 AWG + 1 x 3 AWG + 6 x 18 AWG	31.7 mm
350A	EVC 2 x 1/0 AWG + 2 x 1/0 AWG + 1 x 6 AWG + 6 x 18 AWG	36.5 mm
375A	EVC 2 x 1/0 AWG + 2 x 1/0 AWG + 1 x 6 AWG + 8 x 18 AWG	36.5 mm

CABLE RESISTANCE AT 20°C			
1/0 AWG	3 AWG	6 AWG	18 AWG
≤ 0.351 Ω/km	≤ 0.70 Ω/km	≤ 1.40 Ω/km	≤ 22.04 Ω/km

Cable Standard	UL 2263
Type of Conductor	Straight (or more types on request)
Outer Sheath Material	TPE Compound
Outer Sheath Colour	On Request

ENVIRONMENTAL PRODUCT COMPLIANCE	
EU REACH	(EC) 1907 / 2006, SVHC Compliant
China RoHS	Compliant
EU RoHS	2011 / 65 / EU

Contact us at sales@volex.com
for assistance in finding the right solution for your needs.