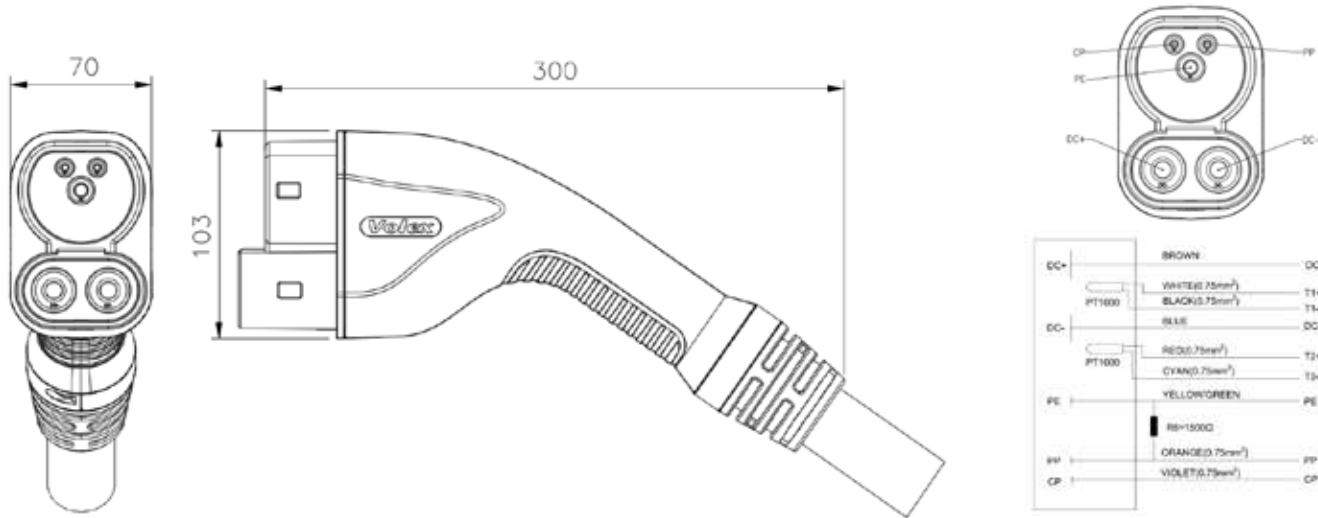


CCS2 150 / 200 / 250A DC Charging Cable



PRODUCT DEFINITION			
Charging Standard	IEC 62196-3		
Standards / Regulations	IEC 61851-1:2017		
Approval	CE		
DIMENSIONS: VEHICLE CONNECTOR			
Width	70 mm		
Height	103 mm		
Depth	300 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 (Unmated)	IP67		
Degree of Protection (Mated)	IP44		
Degree of Protection (Protective Cap)	IP54		
ELECTRICAL PROPERTIES			
Number of Phases	DC		
Rated Voltage for Power Contacts	1,000V DC		
Rated Current for Power Contacts	150A	200A	250A
Maximum Charging Power	150 kW	200 kW	250 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, PP)		
Note on the Connection Method	Crimp Termination (cannot be disconnected)		
Resistor Coding (between PE and PP)	1500 Ω		
Temperature Sensor	2 x Pt1000		
Temperature Sensor Application Range	-50°C to +130°C		
Sensor Shutdown Temperature	Pt 1000 temperature up to 90 °C		

CCS2 150 / 200 / 250A 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	V0		
Material Contacts	Cu-Alloy	Housing with Customer Logo	On Request
Plating	Silver/Nickel Plating (or On Request)		

CABLE		
AMPERAGE	CABLE STRUCTURE	CABLE O.D.
150A	EVDC 2 x 35mm ² + 1 x 25mm ² + 6 x 0.75mm ²	25.9 mm
200A	EVDC 2 x 50mm ² + 1 x 25mm ² + (2 x 0.75mm ²) (P2) + 2 x 2 x 0.75mm ²	28.1 mm
250A	EVDC 2 x 70mm ² + 1 x 35mm ² + 6 x 0.75mm ²	33.3 mm

CABLE RESISTANCE AT 20°C				
70mm ²	50mm ²	35mm ²	25mm ²	0.75mm ²
≤ 0.272 Ω/km	≤ 0.387 Ω/km	≤ 0.554 Ω/km	≤ 0.78 Ω/km	≤ 26 Ω/km

Cable Standard	EN 50620
Type of Conductor	Straight (or more types on request)
Outer Sheath Material	TPE Compound
Outer Sheath Colour	On Request

ENVIRONMENTAL PRODUCT COMPLIANCE	
REACH SVHC	Compliant
China RoHS	Compliant
EU RoHS	Compliant

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