

Type 2, Mode 3 Untethered AC Charging Cable



PRODUCT DEFINITION

Charging Standard		Type 2	
Standards / Regulations		IEC 62196-1,-2	
Approval		TUV, E.V. READY	
DIMENSIONS: CHARGING CONNECTOR		DIMENSIONS: INFRASTRUCTURE PLUG	
Width	70.6 mm	Width	56.6 mm
Height	63.3 mm	Height	49.6 mm
Depth	202 mm	Depth	200 mm
Cable Length	On Request	Cable length	On request

AMBIENT CONDITIONS

Ambient Temperature (Operation)	-30°C to +50°C		
Ambient Temperature (Storage / Transport)	-40°C to +80°C		
Max. Altitude	2500 m (above sea level)		
Degree of Protection (Unmated)	IP67		
Degree of Protection (Mated)	IP44		
Degree of Protection (Protective Cap)	IP54		

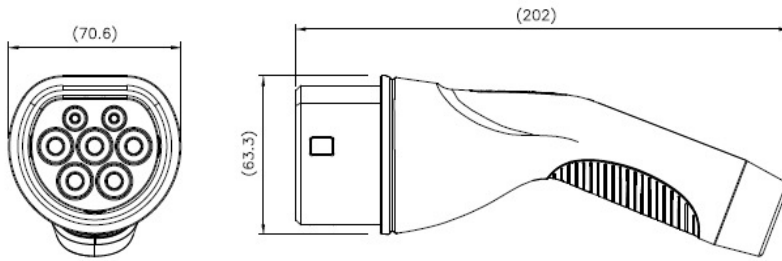
ELECTRICAL PROPERTIES

Number of Phases	1		3	
Rated Voltage for Power Contacts	250V AC		480V AC	
Rated Current for Power Contacts	16A	32A	16A	32A
Maximum Charging Power	4 kW	8 kW	11 kW	22 kW
Number of Power Contacts	3 (L1, N, PE)		5 (L1, L2, L3, N, PE)	
Rated Voltage for Signal Contacts	30V AC			
Rated Current for Signal Contacts	2 A			
Number of Signal Contacts	2 (CP, PP)			
Note on the Connection Method	Crimp Termination (cannot be disconnected)			
Resistor Coding (between PE and CS)	220 Ω (32A) / 680 Ω (16A)			

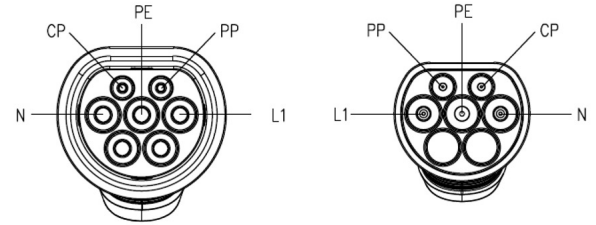
MECHANICAL PROPERTIES

Mating Cycles	> 10,000
Insertion Force	< 100 N
Withdrawal	< 100 N

TYPE 2, MODE 3 UNTETHERED MECHANICAL DRAWING

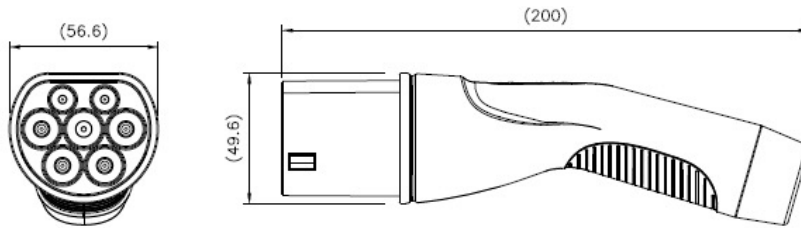


IEC TYPE 2

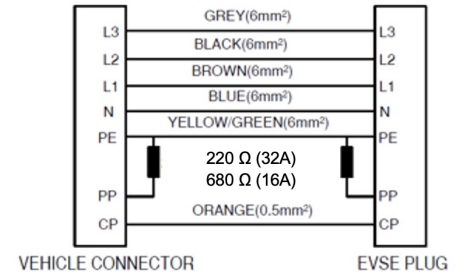


vehicle connector

EVSE Plug



EVSE plug



VEHICLE CONNECTOR

EVSE PLUG

MATERIAL		DESIGN		
Material Housing / Handle Area	Plastic	Housing / Handle Area Colour	Black / On Request	
Material Mating Face	Plastic	Mating Face / Locking Lever Colour	Black	
Material Protective Cap	Soft Plastic	Protective Cap Colour	Black	
Flammability Rating	UL94-V0	Housing with Customer Logo	On Request	
Material Contacts	Cu-Alloy			
Plating	Silver Plating			
CABLE				
AMPERAGE	CABLE STRUCTURE		CABLE O.D.	PHASE
16A	3 x 2.5 mm ² + 1 x 0.5 mm ²		10.2 mm	1 Phase
32A	3 x 6 mm ² + 1 x 0.5 mm ²		12.8 mm	
16A	5 x 2.5 mm ² + 1 x 0.5 mm ²		13.5 mm	3 Phase
32A	5 x 6 mm ² + 1 x 0.5 mm ²		15.9 mm	
CABLE RESISTANCE AT 20°C				
6.0 mm ²	2.5 mm ²	0.5 mm ²		
≤ 3.30 Ω/km	≤ 7.98 Ω/km	≤ 39.00 Ω/km		
Cable Standard	EN50620			
Type of Conductor	Straight (or more type on request)			
Outer Sheath Material	TPU 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.