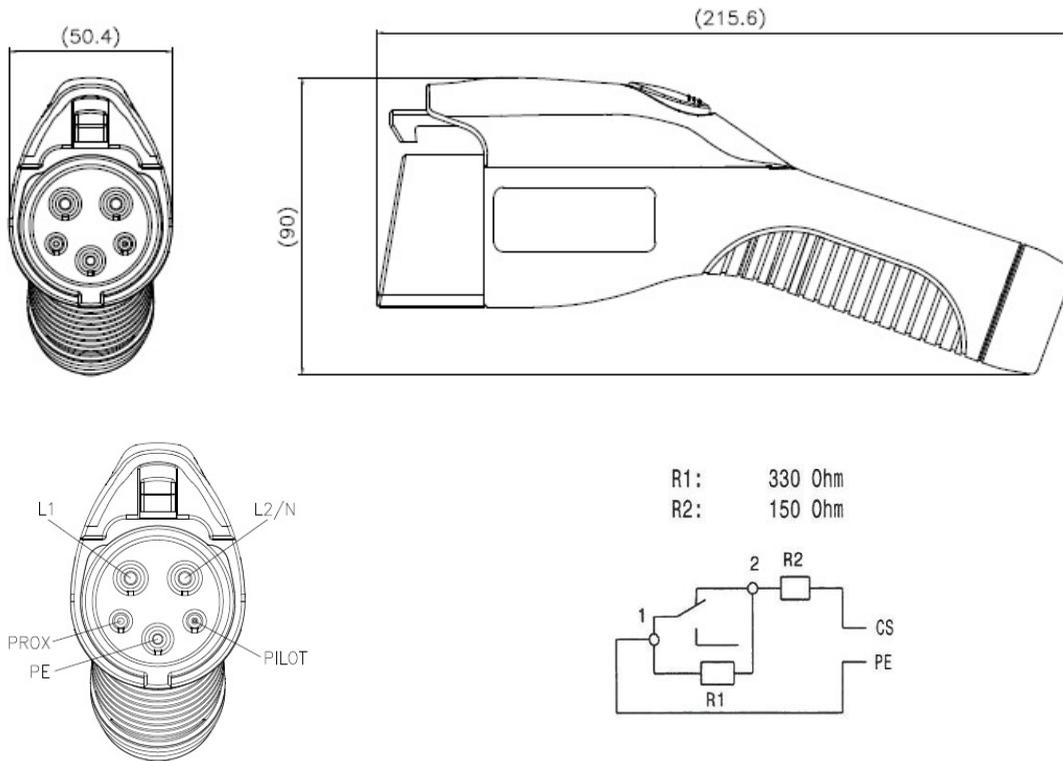


IEC Type 1 AC Charging Cable



PRODUCT DEFINITION		
Charging Standard	Type 1	
Standards / Regulations	IEC 62196-1,-2	
Approval	TUV	
DIMENSIONS CHARGING CONNECTOR		
Width	50.4 mm	
Height	90 mm	
Depth	215.6 mm	
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	
Rated Voltage for Power Contacts	250V AC	
Rated Current for Power Contacts	16A	32A
Maximum Charging Power	4 kW	8kW
Number of Power Contacts	3 (L1, N, PE)	
Rated Voltage for Signal Contacts	30V AC	
Number of Signal Contacts	2 (CP, PP)	
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)	
MECHANICAL PROPERTIES		
Mating Cycles	> 10,000	
Insertion Force	< 75 N	
Withdrawal	< 75 N	

IEC TYPE 1 MECHANICAL DRAWING



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	Protective Cap Colour	Black
Flammability Rating	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	10.5 mm	1 Phase
32A	3 x 6.0 mm ² + 1 x 0.5 mm ²	12.8 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.