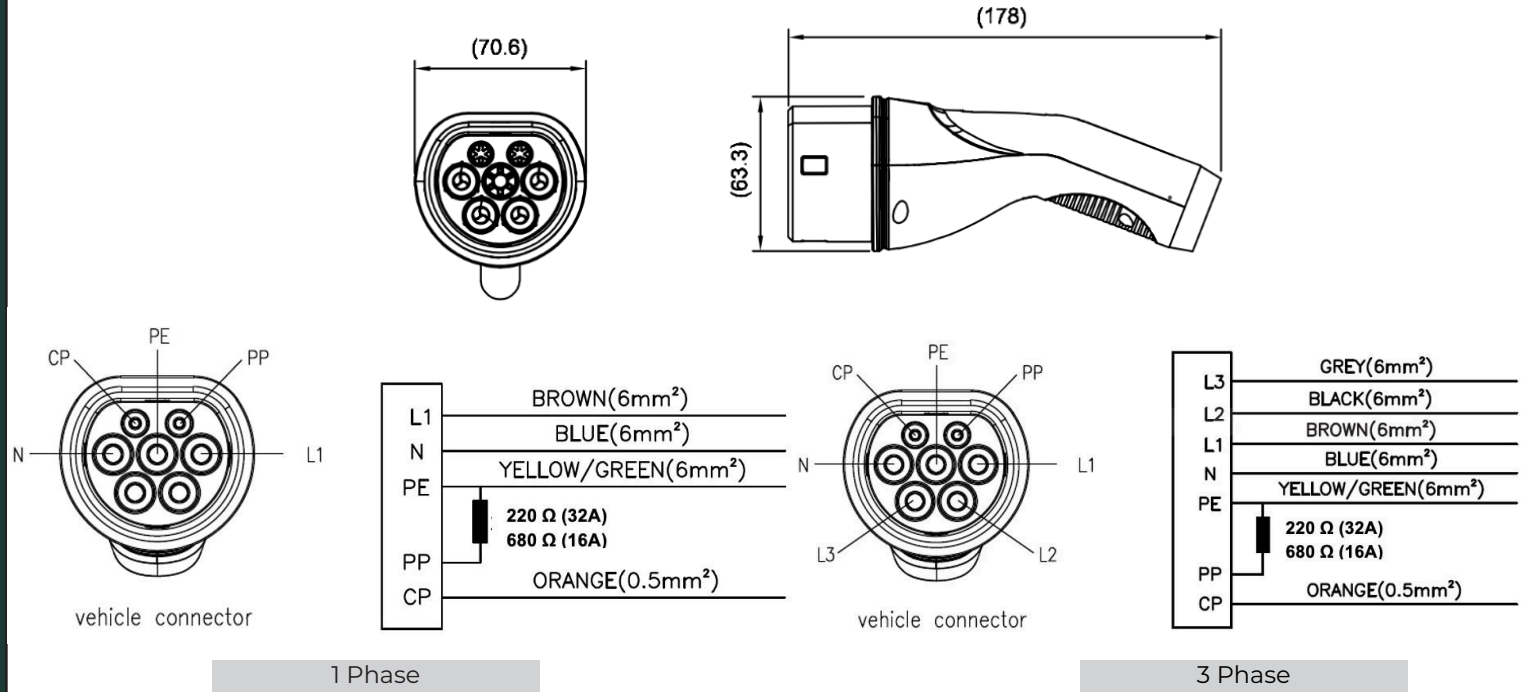


IEC Type 2 AC Charging Cable



PRODUCT DEFINITION			
Charging Standard	SAE: Not Applicable IEC: IEC 62196-2, Type 2		
Approval	CE, UKCA, TÜV, (E.V. Ready Pending)		
DIMENSIONS: CHARGING CONNECTOR			
Width	70.6 mm		
Height	63.3 mm		
Depth	202 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	2,500 m (above sea level)		
Degree of Protection	IP55 (Per safety cert)		
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	2A		
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		

IEC TYPE 2 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	UL 94 V-0	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 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	16 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	
EU REACH	(EC) 1907 / 2006, SVHC Compliant
China RoHS	Compliant
EU RoHS	2011 / 65 / EU
UK	Electrical Equipment (Safety) Regulations 2016

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for assistance in finding the right solution for your needs.