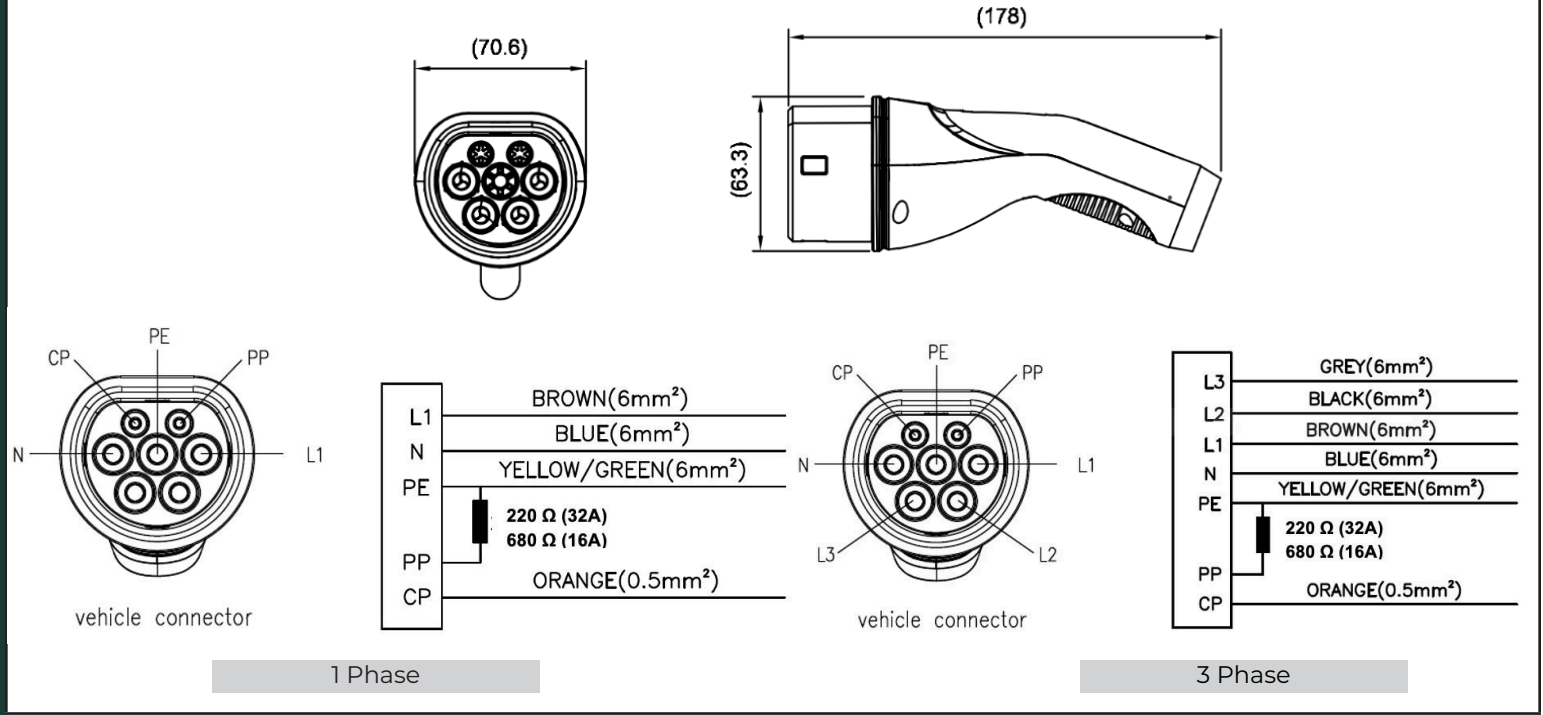


# IEC Type 2 Gen 2 Tethered AC Charging Cable



PRODUCT DEFINITION		
Charging Standard	Type 2	
Standards / Regulations	IEC 62196-1,-2	
Approval	TUV, (E.V. Ready Pending)	
DIMENSIONS: CHARGING CONNECTOR		
Width	70.6 mm	
Height	63.3 mm	
Depth	178 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 (unmated)	IP55	
Degree of Protection (mated)	IP55	
ELECTRICAL PROPERTIES		
Number of Phases	1	3
Rated Voltage for Power Contacts	250V AC	480V AC
Rated Current for Power Contacts	32A	32A
Maximum Charging Power	8 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)	
MECHANICAL PROPERTIES		
Mating Cycles	> 10,000	
Insertion Force	< 100 N	
Withdrawal	< 100 N	

**IEC TYPE 2 GEN 2 TETHERED MECHANICAL DRAWING**



1 Phase

3 Phase

MATERIAL		DESIGN	
<b>Material Housing / Handle Area</b>	Plastic	<b>Housing / Handle Area Colour</b>	Black
<b>Material Mating Face</b>	Plastic	<b>Mating Face / Locking Lever Colour</b>	Black
<b>Material Protective Cap</b>	Soft Plastic	<b>Protective Cap Colour</b>	Black
<b>Flammability Rating</b>	UL94 V-0	<b>Housing with Customer Logo</b>	On Request
<b>Material Contacts</b>	Cu-Alloy		
<b>Plating</b>	Silver Plating		

CABLE			
AMPERAGE	CABLE STRUCTURE	CABLE O.D.	PHASE
32A	3 x 6 mm <sup>2</sup> + 1 x 0.5 mm <sup>2</sup>	12.8 mm	1 Phase
	3 x 4 mm <sup>2</sup> + 1 x 0.5 mm <sup>2</sup>	11.7 mm	
	5 x 6 mm <sup>2</sup> + 1 x 0.5 mm <sup>2</sup>	16.0 mm	3 Phase
	5 x 4 mm <sup>2</sup> + 1 x 0.5 mm <sup>2</sup>	14.5 mm	

CABLE RESISTANCE AT 20°C		
6.0 mm <sup>2</sup>	4.0 mm <sup>2</sup>	0.5 mm <sup>2</sup>
≤ 3.30 Ω/km	≤ 3.96 Ω/km	≤ 39.00 Ω/km

<b>Cable Standard</b>	EN50620
<b>Type of Conductor</b>	Straight (or more type on request)
<b>Outer Sheath Material</b>	TPU Compound
<b>Outer Sheath Colour</b>	On Request

ENVIRONMENTAL PRODUCT COMPLIANCE	
<b>REACH SVHC</b>	Compliant
<b>China RoHS</b>	Compliant
<b>EU RoHS</b>	Compliant

Contact us at [sales@volex.com](mailto:sales@volex.com)  
for assistance in finding the right solution for your needs.