streetwize EV

Electric Vehicle Charging Cable

Type 2 to Type 2 | 16 Amp | Single Phase

IP55
WATERPROOF RATING

3.7kW
MAX CHARGE CURRENT

5m
CABLE LENGTH

SWEV6

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Intention For Use

Thank you for purchasing this electric vehicle (EV) cable from Streetwize. This cable is intended for charging EV vehicles with a Type 2 inlet via a European standard charging station with a Type 2 socket.

This product is suitable for use with battery electric vehicles (BEV) and plug-in hybrid electric vehicles (PHEV) that have a Type 2 socket.

BEFORE USING THIS PRODUCT, WE RECOMMEND THAT YOU FAMILIARISE YOURSELF WITH ALL THE INFORMATION IN THIS DOCUMENT. PLEASE KEEP THIS DOCUMENT FOR FUTURE REFERENCE.

Product Elements

- EV charging cable
- Storage bag

Product Overview

Type 2 to Type 2


Specifications
Amperage: 16A Charge current: 3.7kW Single phase

Health & Safety Guidelines

 ***Danger: Electrical & Fire Hazard***

The electric vehicle cable needs to be properly connected to the vehicle charging inlet. Incorrect connection can lead to electric shock or fire during charge.

- Only use a fully compliant vehicle charging station
- You must comply with the safety instructions written in your vehicle manual and in this document

 ***Danger: Electrical shock, short circuit, fire or explosion***

- If either the product is damaged/faulty or the socket is damaged/faulty, do not use the product. Failure to comply can lead to either a short-circuit, electrocution, explosion, fire or burns.
- Never use the charging cable if it is damaged.
- Always ensure the cable is properly connected to the socket.
- Operating the cable using a damaged socket can result in a serious injury or fire.
- Never attempt to open the cable's casing on either end of the cable. Please seek a qualified professional for any servicing or repairs.
- Always use the correct voltage when using the cable.
- Never attempt to modify or repair the electrical component of this product.
- Never touch any of the electric components of the vehicle charging inlet or the electrical vehicle cable.
- Keep sockets, plug connection and the electric cable away from the moisture, water, snow, ice and other liquid. Do not immerse any of the components of the cable in water. Even though the cable does come with a IP55 rating, the health & safety measures outlined in this point are imperative.
- In the event of a thunderstorm, never attempt to charge your vehicle.
- Never insert any object into either the vehicle charging inlet or into the plugs of the cable.
- Only use a dry cloth when cleaning.
- Only clean the cable if it is fully disconnected from both the vehicle and grid socket.
- This charging cable should not be operated by a person(s) who is not familiar with the product's use or those who have not read this document.
- This product is not a toy and should be kept away from children. If the cable is in use and children are near it, they must be supervised at all times.

General Safety

- Do not slide the cable over any sharp edges.
- Never kink the charging cable.
- Do not drive over the plug or cable.
- Always handle the cable with care. Never exert any unnecessary force or strain on the cable.
- Do not coil the cables.
- Do not use the cable outside of the operating temperature range from -30oC to 50oC.

Preliminary Measures Prior To Charging

Before using this cable to charge your vehicle, please follow the steps below to ensure safe use of the product.

- Ensure the charging cable is free from damage, rust and any other abnormality. If it has damage, rust or any other abnormality, please do not use it.
- Check to see if the cable has any moisture. If so, please wipe dry with a clean & dry cloth and allow it to fully dry.
- Make sure you have the correct cable for your vehicle.
- Never use the cable in an environment where there is flammable substances

Operating Instructions

To use the electric vehicle cable, please follow the instructions below:

1. Before using the cable, please refer to your vehicle manual and familiarise yourself with instructions on how to charge your vehicle.
2. Completely unravel the charging cable, taking care the cable is fully grounded to prevent tripping over the cable.
3. Plug the cable into your vehicle's charging inlet.
4. Then insert the other end of the charging station's inlet/socket.
5. Ensure both plugs are securely in place.

Please note, for Type 2 sockets, you can secure in place using the lock-and-key mechanism.
With Type 1 sockets, you can use the latch to secure in place.

6. Once the connection between the power station and vehicle has been made, you can turn on the power supply at the power station to commence charging.
7. You can monitor the charge status either via your vehicle (refer to your vehicle's manual) or via the charge station.
8. Once charge is complete, turn off the power supply at the power station first.
9. Then disconnect the electric vehicle cable from the power station, and then disconnect the cable from your vehicle's charging inlet.
10. Place the cable back into the provided storage bag.

Charging Times

The table below shows the average charge times for our current electric vehicle charging cable range. Please note, the charge times are based on a 24kWh battery being charged to 80%.

SKU	Cable Type	Ampage	kW	Phase	Suitable For	Charge Time (approx)
SWEV1	Type 1 to Type 2	32A	7.4kW	Single Phase	Home charging & charging at public station	2hr 35mins
SWEV2	Type 2 to Type 2	32A	7.4kW	Single Phase	Home charging & charging at public station	2hr 35mins
SWEV3	Type 2 to Type 2	32A	22kW	3 Phase (Fast)	Commercial	55mins
SWEV4	Type 2 to UK 3Pin	10A	3.7kW	Single Phase	Home Charging	5hrs 15mins
SWEV5	Type 1 to Type 2	16A	3.7kW	Single Phase	Home charging via personal charging station	5hrs 15mins
SWEV6	Type 2 to Type 2	16A	3.7kw	Single Phase	Charging at public station	5hrs 15mins

*Please note, the charge times are based on a 24kWh battery being charged to 80%

Maintenance & Care

Danger: Electrical & Fire Hazard

- Only clean the product with a dry cloth. Do not use any cleaning agents or flammable solvents, such as alcohol or benzene.

Disposal

The disposal of decommissioned devices must be in accordance with the applicable country- specific and regional laws and guidelines. Equipment and batteries must never be disposed of with domestic waste.

- Decommissioned equipment must be placed in a collection facility for electronic waste or disposed of via your dealer
- Dispose of the packing material in the respective collection bins for cardboard, paper and plastics.

Technical Support

If you require any technical support for your product within the warranty period, please contact us on:

support@streetwizeaccessories.com and provide the product name and supplier code (see Technical Specifications) along with the technical query and proof of purchase.

Technical Specification

Product	Streetwize Type 2 to Type 2 16A EV Charging Cable	
Supplier Code	SWEV6	
Application Standard	IEC 62196	
Electrical Performance	Rated Current	16A
	Output Current	16A
	Operation Voltage	120V/250V
	Insulation Resistance	>1000mΩ(DC500V)
	Terminal Temperature Rise	<50K
	Withstand Voltage	2000V
	Contact Resistance	0.5mΩ Max
Mechanical Properties	Mechanical Life	no-load plug in/out >10000 times
	Coupled Insertion Force	45N<F<100N
	Impact of External	can afford 1M drop and 2T vehicle run over press
Environmental Performance	Operating Temperature	-30˚C to +50˚C
Applied Materials	Case Material	Thermoplastic, flame retardant grade UL94 V-0
	Terminal	Copper Alloy, Silver Plating

UK Legislation

2016 No. 1101 The Electrical Equipment (Safety) Regulations 2016
2016 No. 1091 The Electromagnetic Compatibility Regulations 2016
2012 No. 3032 The Restriction of the Use of Certain

Hazardous Substances in Electrical and Electronic Equipment Regulations 2012

European Directives

2014/35/EU
2014/30/EU
2011/65/EU + (EU)2015/863

IEC 62196-1 Plugs, socket-outlets, vehicle connectors and vehicle inlets – Conductive charging of electric vehicles
IEC 62196-2 Plugs, socket-outlets, vehicle connectors and vehicle inlets – Conductive charging of electric vehicles

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