

INSTRUCTIONS FOR USING

CHARGING CABLES TYPE 1 AND TYPE 2



- Read the package leaflet carefully before using the charging cable. Not following the warnings and instructions below may result in fire, electric shock, serious injury, or death.
- Charging cables are intended only for charging of electric vehicles that support the 62196-1 and IEC 61851-1 standards. Do not use charging accessories for vehicles, that require ventilation during charging, or for any other purposes.
- Do not use charging cables with plugs that do not comply with regulations and standards.
- Do not use the cable if it is damaged in any way or if the LED indicates a serious problem.
- Never attempt to remove, modify or repair the charging cable. In the event of a malfunction, contact the dealer and any defects solve with him.
- Never disconnect the charging cable from the plug or from the electric car during charging.
- Do not expose the charging cable to external influences such as heavy rain or snow unnecessarily. Also, try to protect the charging cables from moisture and water.
- Never touch the end outlets with sharp objects or any different tool.
- Do not allow children and unauthorized people to handle the charging accessory. Because improper handling of the charger cable and its subsequent use can result in electric shock, fire, serious injury, or death.

Specifications

Rated charging current	max. 1×32A, 3×32A/22kW or 3×16A/11kW
Self-consumption in peaceful state	less than 1W
Operating temperature	-40°C/+50°C
Degree of protection	Cable IP55 in connected state IP44
Box dimensions	160×78×43 mm
Power Supply Terminal	CEE 32A/5p. or CEE 16A/5p.
Wiring Type into Electric Car	Type 1, or Type 2 according to IEC 62196-2/32A
Phase	1 or 3 depends on the connected car
Compliant with standards	IEC 62196, IEC 61851-1, CE, EMC, RoHS
Compatible current network	TN-S a IT

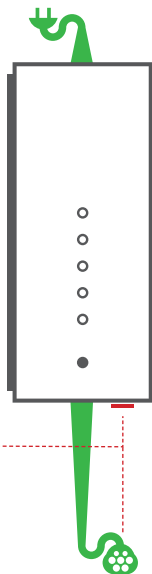


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Charging cable connection

- 1) Connect the charging cable into a plug that meets the required standards. Do not use extension cords or adapters for charging.
- 2) When connection the charging cable into the plug, the LED lights up into red for approximately 2 seconds due to self-control.
- 3) You can see which network is selected according to the colours after the connection. The red colour means TN-S network. Blue means IT network.
- 4) When the colour does not change after about 2 seconds, there is likely to be a network problem. Probably the PE wire has not been detected correctly and it will be necessary to check the plug connection, or if necessary check the house wiring.
- 5) If you need to change the network from TN-S to IT, you must press the **button** and keep it pressed for at least 5 seconds during the self-test. Then the LED will be blue, and the IT network will be selected. The user of charging cable is always responsible for selecting the correct network!
- 6) In case the check has been finished without problems, the charging cable is now ready for use. For 16A version of charging in steps 6/8/10/13/16A. For 32A version of charging in steps 10/13/16/23/32A. The charging cable is ready to charge at the first connection. When you need to lower the charging current, press the **button** and change it.
- 7) The charging cable is ready for charging after setting the correct charging value (LED lights green).
- 8) If the plug is connected to a circuit breaker less than 32A, set the required value on the cable.
- 9) If the procedure is correct, you can now plug the charging cable into the electric car and charge it automatically.



Signalling of LED diodes

STATUS

The charging cable can indicate several conditions during charging or immediately after the charging process. If the LED is green, everything is just OK. The LED lights orange when charging. If the cable indicates a problem, the red LED lights up. The explanation for error states is as following:

Flashing green or orange light of LED (it is likely to affect charging speed)

- 1× fast flashing indicates a problem with the main switch in the charging cable
- 2× under voltage or missing phase
- 3× probable network connection problem
- 4× high temperature

Flashing red light of LED diode (charging will not start or will be stopped)

- 1× fast flashing indicates a problem with the main switching elements in the charging cable
- 2× problem with current protector (Type B)
- 3× problem with N or PE conductor
- 4× overvoltage
- 5× critically high temperature (we recommend disconnecting the cable)
- 6× unsupported charging mode

Disconnection of the cable

1. Firstly, stop the charging in the vehicle.
2. Then you can disconnect the plug.

Never remove the plug during charging!

Problem Solving

- in case of an early termination of charging, check the vehicle's on-board system
- if a high temperature is the cause why charging stopped, disconnect the power cord and allow it to cool down
- if the problem occurs repeatedly, it is necessary to check the connection of the plug, event. contact the seller
- if there is a problem with the cable and the cable indicates it, disconnect it, take the necessary steps, and check the plug connection if necessary

