

EV Charging Cable

Discover Evaka's Type 2 EV Charging Cable: Effortlessly charge electric and hybrid vehicles with Type 2 connections. This reliable cable provides both 1-phase and 3-phase options, ensuring versatile charging solutions with safety and durability at the forefront.

We harness the power of green energy to manufacture our products, resulting in a significant reduction of CO₂ emissions.



Our entire manufacturing process operates on green energy exclusively.



We calculate CO₂ emissions and lead initiatives for a greener tomorrow.



Our rooftop beekeeping initiative contributes to a sustainable, resilient ecosystem for both bees and humans alike.

Product datasheet

Charging connector	Type 2
Protection degree	IP 54
Flame retardant rate UL94	V0 non-flammable
Operating temperature	-30 °C to +50 °C
Cable length	3, 5, 7, 10 m versions

Technical data

Cable structure (mm²)	3x2,5mm² + 0,5mm²	5x2,5mm² + 0,5mm²	3x6mm² + 0,5mm²	5x6mm² + 0,5mm²
Cable diameter (mm)	9,2 - 9,6	12,1 - 12,5	12,5 - 12,9	15,4 - 16
Number of phases	1	3	1	3
Rated voltage for power contacts (V)	250	480	250	480
Nominal current for power contacts (A)	25	20	44	38
Charging power (kW)	3,7	11	7,4	22
Number of power contacts	3 (L1, N, PE)	5 (L1, L2, L3, N, PE)	3 (L1, N, PE)	5 (L1, L2, L3, N, PE)
Number of signal contacts	2 (CP,PP)	2 (CP,PP)	2 (CP,PP)	2 (CP,PP)
Rated voltage for signal contacts (V) AC	30	30	30	30
Rated current for signal contacts (A)	2	2	2	2
Note on the connection method	Crimp connection	Crimp connection	Crimp connection	Crimp connection
Resistor coding (Ω)	680	680	220	220

Materials

Housing	PC plastic
Handling area	Soft rubber
Protective cap	Soft rubber
Contacts	Copper alloy
Surface of contacts	Silver
Cable type	H07BZ5-F

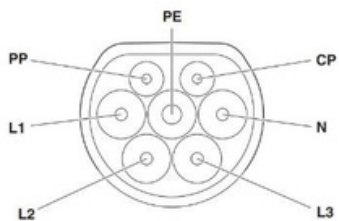
Cable material

- Conductor Flexible annealed copper, class 5
- Insulation Elastomeric rubber, type EVI-2
- Polyurethane, type EVM-1

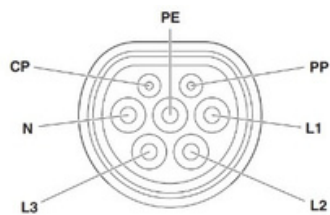
Standards

- Conductive charging according to IEC 62196-1:2023
- Connector according to IEC 62196-2:2022
- Cable in accordance with EN 50620 · Low voltage directive 2014/35/UE
- TÜV SÜD certified & CE certified

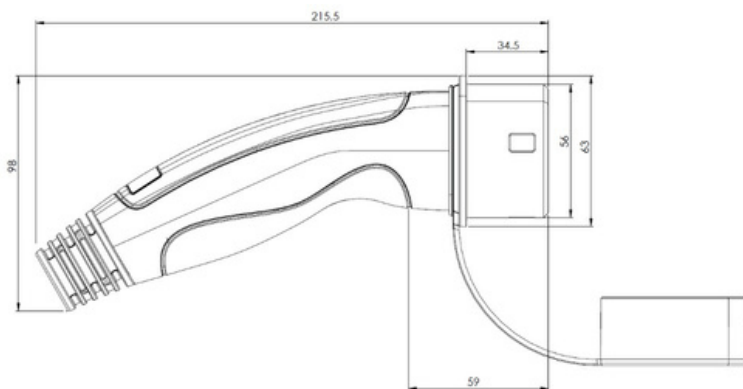
Charger plug



Vehicle connector



Dimensional drawing



Basic safety information

Keep children away from the charging cable.

Keep animals away from the charging cable.

Do not use adapter plugs or extension cables.

Connect the charging cable to a correctly functioning and suitable EV charging station.

Do not use the charging cable in a potentially explosive atmosphere.

Operation

WARNING

Damaged charging cable – Danger to life due to electric shock

The use of a damaged charging cable can result in death or severe injury.

Check the charging cable for damage (e.g. cracks) prior to each use.

Do not use a damaged charging cable.

Cleaning

The charging cable can be cleaned with a dry or damp cloth, depending on application conditions and soiling.



WARNING

Contact with live parts – Danger to life due to electric shock

Touching live components can result in death or severe injury.

Starting the charging process

Remove the protective cap.

Insert the charging cable.

Start charging the vehicle.

Unplug the charging cable.

Protect plugs and sockets against moisture and liquids.

Do not use cleaning agents.

Clean the charging cable with a dry cloth or a cloth slightly dampened with water.

Ending the charging process



Disposal

Once the vehicle is fully charged, stop the charging process.

End the vehicle-side charging process.

Unplug the charging cable.

Attach the protective cap.

Properly store the charging cable in your vehicle.

The charging cable must not be disposed of with household waste.

Use a public collection point for the recycling of used electrical and electronic equipment.

If you have any questions, contact the dealer or waste disposal company.