

EV CHARGING CABLE

TECHNICAL DATA SHEET



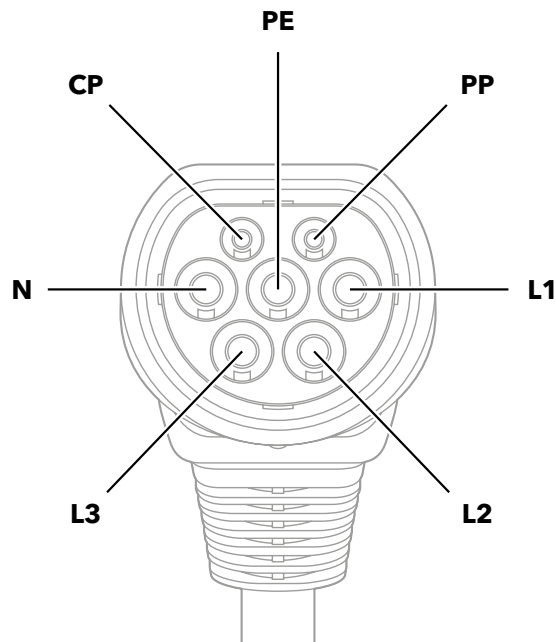
EV CHARGING CABLE CONNECTORS

CAR-SIDE CONNECTOR

The Connector-housing on the car side contains:

- three phase lines (L1+L2+L3)
- one ground line (PE)
- one neutral line (N)
- one proximity pilot (PP)
- one control pilot (CP).

All contacts are receptacle contacts.

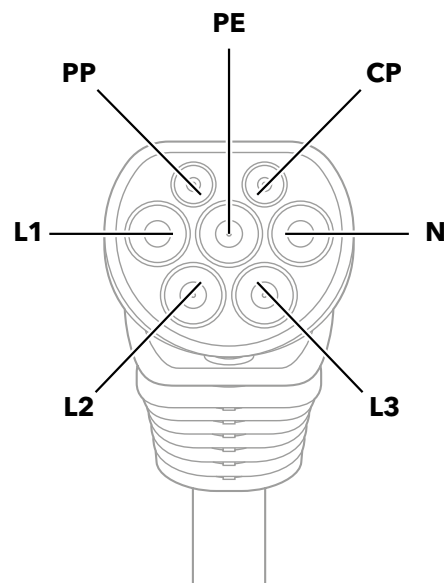


STATION-SIDE PLUG

The Plug-housing on the station side contains:

- three phase lines (L1+L2+L3)
- one ground line (PE)
- one neutral line (N)
- one proximity pilot (PP)
- one control pilot (CP)

All contacts are pin contacts.



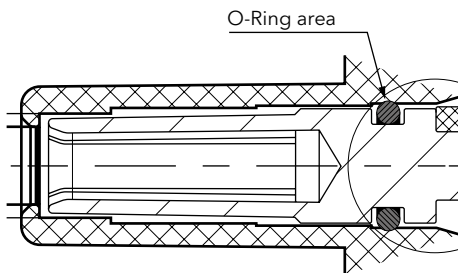
EV CHARGING CABLE POWER TERMINALS

POWER FEMALE TERMINALS

Female terminals shall be mated into the connector housing.

Rated voltage:	400V a.c.
Rated current:	32A
Wire range:	6 mm ²
Raw material:	Brass (CuZn38Pb1.5), silver (Ag) finish 75 μm
Minimum mating cycles:	> 10.000

Possibility for sealing area with an O-ring:

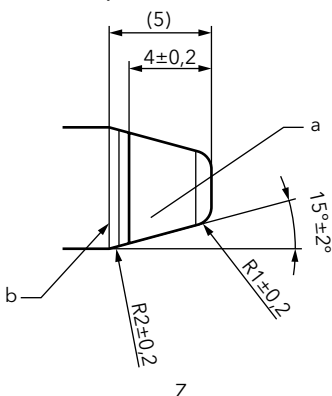


POWER MALE TERMINALS

Male terminals shall be mated into the connector housing.

Rated voltage:	400V a.c.
Rated current:	32A
Wire range:	6 mm ²
Raw material:	Brass (CuZn38Pb1.5), silver (Ag) finish 75 μm
Minimum mating cycles:	> 10.000

Power pins must have an insulation cap at the end of the pin, except earth connection:



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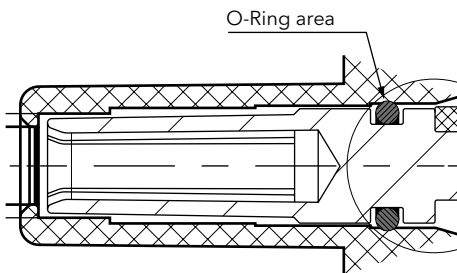
SIGNAL TERMINALS

SIGNAL FEMALE TERMINALS

Female terminals shall be mated into the connector housing.

Rated voltage:	30V
Rated current:	2A
Wire range:	0,5 mm ²
Raw material:	Brass (CuZn38Pb1.5), silver (Ag) finish 75 µm
Minimum mating cycles:	> 10.000

Possibility for sealing area with an O-ring:

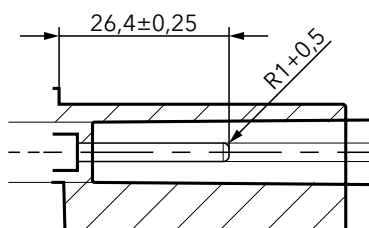


SIGNAL MALE TERMINALS

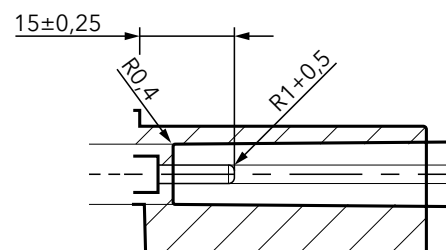
Male terminals shall be mated into the connector housing.

Rated voltage:	30V
Rated current:	2A
Wire range:	0,5 mm ²
Raw material:	Brass (CuZn38Pb1.5), silver (Ag) finish 75 µm
Minimum mating cycles:	> 10.000

PP connection:



CP connection:





GET CONNECTED

EV CHARGING CABLE

CABLE SPECIFICATIONS

Manufacturer: Leoni
Type: EVC 3119 5G6+1x0,5 BL
Specification: EN 50620 <VDE-REG 8789>
Rating: 3 phase 32A

EV CHARGING CABLE

APPLICABLE DOCUMENTS

The following documents constitute a part of this specification to the content specified herein. Unless otherwise indicated, the latest edition of the document applies.

IEC 60529 International Standard, Degrees of Protection Provided by Enclosure (IP Code).

IEC 61851-1 Electric vehicle conductive charging system,
Part 1: General requirements.

IEC 62196-1 Plugs, Socket Outlets and Vehicle Inlets - Conductive Charging of Electric Vehicles,
Part 1: Charging of electric vehicles up to 250 A a.c. and 400 A d.c.

IEC 62196-2 Plugs, Socket Outlets and Vehicle Inlets - Conductive Charging of Electric Vehicles,
Part 2: Dimensional compatibility and interchangeability requirements for a.c. pin and
contact-tube accessories.

CE



GET CONNECTED

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Our product portfolio includes solutions for automotive accessories, vehicle telematics and test & diagnostic equipment. In addition, by maintaining a flexible automotive manufacturing base and our own in-house Research & Development and Electronics departments, we are able to deliver customised solutions.

With over 30 years of continued improvement, we are the number one supplier of vehicle specific towbar wiring kits in the European market.

From our production plants in The Netherlands and Vietnam we provide cutting-edge products to more than 20 of the biggest automotive original equipment and aftermarket brands around the world.



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