## Smart charging cables SparkLine with 3.7 to 22kW charging power
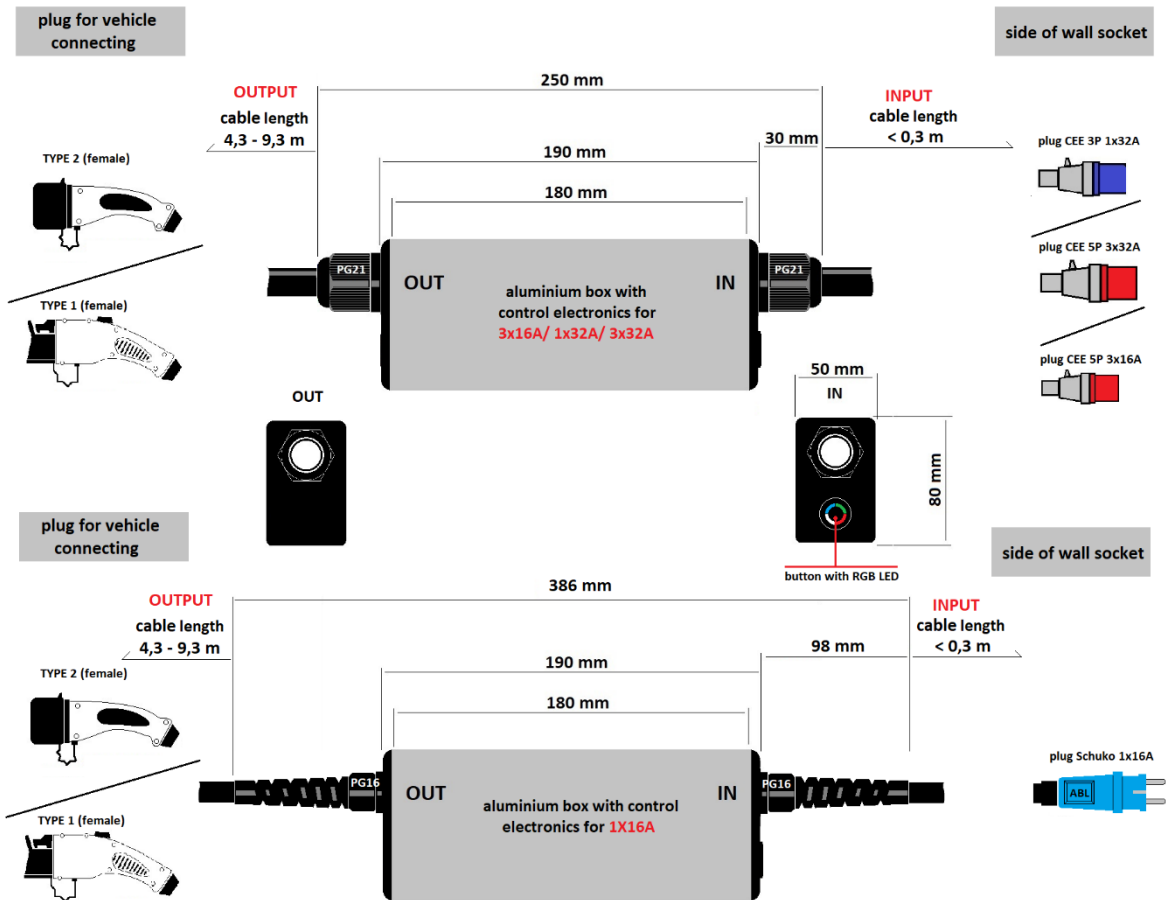
Our mobile charging cables combine user friendliness with the highest level of safety. SparkLine 32 is the smallest model on the market with 22kW charging power. The switching elements are dimensioned for more than 150% of the rated continuous load. In addition, the cable control electronics carry out a self-diagnosis each time it is connected. If an error occurs, the problem is reported with the appropriate error code. SparkLine has also a residual current device (RCD) with dirrect current detection.

## Specification

- Rated current: **16A (11kW) or 32A (22kW)**
- Adjustable current: **6A / 10A / 13A / 16A / 20A / 25A / 32A**
- Used phases: **1-phase or 3-phase**
- Cable Lengths: **5m/ 7.5m / 10m**
- Allowed ambient temperature: **-40°C to +50°C**
- Residual current device: **A-EV (30mA AC, 6mA DC)**
- Warranty: **4 Years**
- Standards: **IEC 61851-1 | IEC 62196–2**
- Dimensions of the EVSE box: **190x80x50mm**
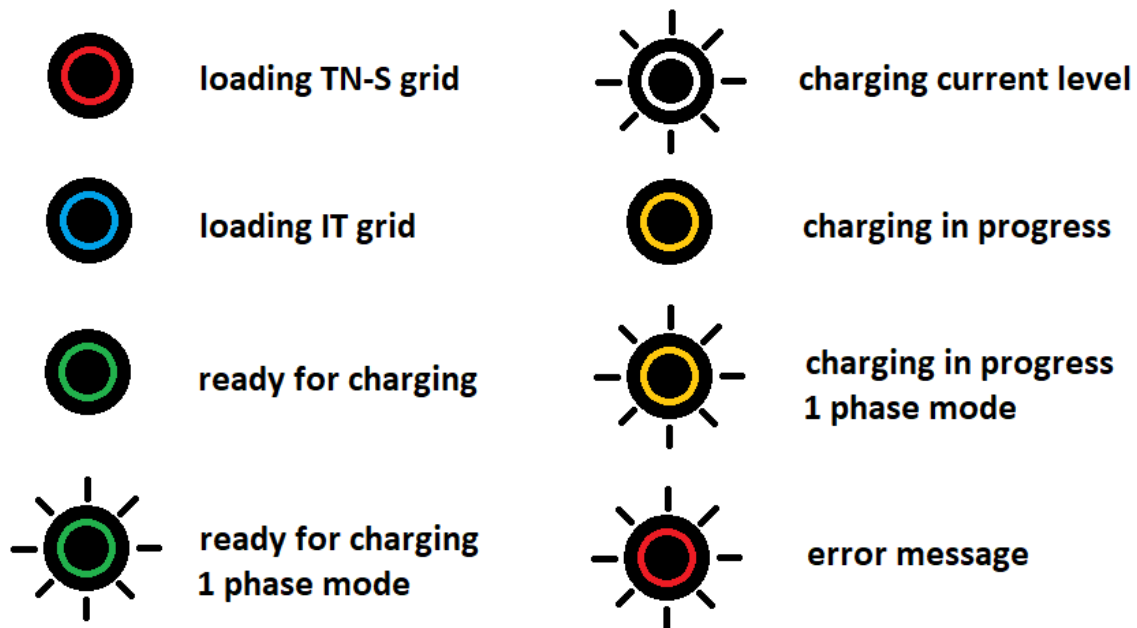- Protection level: **IP65**

## EV CHARGING CABLE BY INCHANET

plug for vehicle connecting

side of wall socket

OUTPUT
cable length
4,3 - 9,3 m

250 mm

190 mm

180 mm

30 mm

INPUT
cable length
< 0,3 m

plug CEE 3P 1x32A

TYPE 2 (female)

plug CEE 5P 3x32A

TYPE 1 (female)

PG21 OUT aluminium box with control electronics for **3x16A/ 1x32A/ 3x32A** IN PG21

plug CEE 5P 3x16A

OUT

50 mm
IN

80 mm

plug for vehicle connecting

button with RGB LED

side of wall socket

OUTPUT
cable length
4,3 - 9,3 m

386 mm

190 mm

180 mm

98 mm

INPUT
cable length
< 0,3 m

TYPE 2 (female)

plug Schuko 1x16A

PG16 OUT aluminium box with control electronics for **1X16A** IN PG16

ABL

TYPE 1 (female)

## Features

- Top-class safety and user-friendly
- Switching elements are dimensioned for more than 150% of the rated continuous load
- The control electronic performs self-diagnostics and provide error codes
- Rising temperatures or overheating in the device or CEE socket detection
- Switching elements fused by heat or defective transistor switches
- Overvoltage or undervoltage detection, leakage current detection
- Setting function for maximum charging current
- Compatibility of the new version of TN-S (most of Europe) and IT (Norway, Italy, Ukraine) networks
- Use of high-quality conductor, TÜV certification
- The solid aluminum housing of the electronics with IP65 protection is able to survive rain, fall or being run over by a car

## Status indicators

 loading TN-S grid

 loading IT grid

 ready for charging

 ready for charging
1 phase mode

 charging current level

 charging in progress

 charging in progress
1 phase mode

 error message

Green LED = Ready
Orange LED = Charging

**Green flashing warnings (flashing):**
1x = Problem with relays
2x = Undervoltage or missing phase (1 phase mode see picture above)
3x = Possible grid problems
4x = High temperature

**Red flashing errors (flashing):**
1x = Problem with relays
2x = Problem with RCD
3x = Problem with PE / N wire(s)
4x = Overvoltage
5x = Very high temperature
6x = Unsupported charging mode

**LED at start:**
Red = TN-S grid,
Blue = IT grid - press & hold for 5s to change the type of grid

**Change of charging current after correspondent number of button pressings – Ready status (Green LED):**
1x = 6A,   2x = 10A,   3x = 13A,   4x = 16A,   5x = 20A,   6x = 25A,   7x = 32A