



E-Mobility – Charging cable type 2 to type 2



Quick Instalation Guide

DK-1P32-050/ DK-1P32-075/ DK-1P32-100/
DK-1P32-S-050/ DK-1P32-S-075/ DK-1P32-S-100/

DK-3P16-050/ DK-3P16-075/ DK-3P16-100/
DK-3P16-S-050/ DK-3P16-S-075/ DK-3P16-S-100/

DK-3P32-050/ DK-3P32-075/ DK-3P32-100/
DK-3P32-S-050/ DK-3P32-S-075/ DK-3P32-S-100 – Rev. 1.0



Please read this manual carefully before installation and use, otherwise, it may interfere with the normal use of the equipment and even risk causing personal injury.

1. Safety and Points for Attention

1.1. Installation & Maintenance

- Before installation, please visually inspect the appearance to check whether the equipment is damaged during transportation. If it is damaged, please immediately notify the carrier or the manufacturer.
- Do not drop any foreign objects, especially metal objects, into the charging plug or connector pins.
- Do not step on the cable and do not violently pull out the charging connector
- Please do not use the charging cable outside its normal operating range of -30 to +50°C.
- The Charging cable has an IP rating of IP55 for dust and waterproof. Please use it with care under this IP55 rating.
- IP55 is ensured only when the products are engaged with vehicle inlets with protection degree higher or equal to IP55.
- When the products are fully engaged with the vehicle inlets with protection degree lower than IP55, the lower protection degree of the two accessories shall be checked.

- Please do not dismantle the protective cap. To protect the charging connector from moisture and dirt, after every use, put the protective caps back on.
- Please do not withdraw the connector and plug out of EV inlet and socket while under load.
- Additional adaptors and conversion adapters are not allowed to be used with this cable.
- Cord extension sets are not allowed to be used with this cable assembly.
- The max cable length shall not exceed 5m when used in Switzerland.
- Please make sure that the charging adapters and the cable are free from any signs of scratches, rust, cracks before usage.
- Before charging, please make sure the power plug and outlet are compatible as IEC 62196-2.
- DO not insert any fingers into the charging plug.
- Use the product under normal away from high temperature erosive materials or ignition source.
- Please make sure that the plug & connector are fully inserted until it clicks into place.
- It is recommended that routine safety inspection on the cable.

- Please do not attempt to disassemble, repair, or modify the charging cable by yourself. If there is a need for maintenance or modification, please contact the manufacturer. Improper operation may cause damage to the equipment.
- Do not put inflammable, explosive or combustible materials, chemicals, combustible steam and other dangerous goods near the charging cable, otherwise there is a risk of fire.
- Please keep the charging adapter clean and dry and wipe with a clean, dry cloth if soiled. Do not touch the charging plug or connector with your hand when charged.
- If the unit does not work properly in accordance with the operating instructions, please do not use this unit.

1.2. Operations

- Strictly forbidden for Children or persons of restricted capacity to approach the charging cable to avoid injury.
- Forced charging is strictly forbidden when the electric vehicle or charging station fails.
- Electric vehicle can only be charged with the engine is off and stationary.
- It is strictly prohibited to use the charging cable when the charging adapter or charging cables are defective, cracked, worn, broken or the charging cables is exposed. If you find any, please contact the supplier in time.

- In case of rain or thunder, please charge with care.
- The charging cable is only for EV charging application.
- Please do not submerge the charging cable in water.

2. Features

- Charging plug and connector meet IEC 62196-2 standard.
- Robust and durable TPU jacket
- Charging adapter is with IP55 waterproof rating for outdoor usage.
- Long durability: Charging adapter at no-load plug in/pull out > 10000 times
- High impact of external force resistance

3. Package content

- EV Charging Cable (1 piece)
- Quick Installation Guide (1 piece)

4. Technische Specification

Cable	Type	TPU jacket
	Length	Available with 3m, 5m, 7.5m, 10m
	Cable	5G2.5mm ² (16A) / 5G6mm ² (32A)
	Color	Black
Design Standard	Plug	EN 62196-2 (Type 2)
Electric spec	Rated voltage	240/415Vac
	Rated power	7.4kW/11kW / 22kW
	Rated current	16A / 32A
	No. of phase	1/3-Phase
	Contact resistance	0.5mΩ (Max)
	Insulation resistance	1000MΩ (Min) @ DC500V
	Withstand voltage	2000V
Environmental spec	Working temperature	-30°C ~ +50°C
	Working humidity	5% -95% non-condensed
	Flammability standard	UL94 V-0
	IP Protection	IP55
Mechanical spec	Insertion life cycles	> 10000 times

5. Installation

Please note that the Charging cable has 2x ends of plugs.

The male plug is used towards the Charging Station side while the female plug is connected towards the Electric Vehicle side.



Model Number	Jacket	Description	Rating	Cable Spec
DK-1P32-XXX	TPU	Type2 to Type2 EV Charging Cable (Straight)	1-Phase/ 240V/32A/ 7,4kW	3×6mm ² + 1x0.75mm ²
DK-3P16-XXX	TPU	Type2 to Type2 EV Charging Cable (Straight)	3-Phase/ 415V/16A/ 11kW	5×2.5mm ² + 1x0.75mm ²
DK-3P32-XXX	TPU	Type2 to Type2 EV Charging Cable (Straight)	3-Phase/415 V/32A/22kW	5×6mm ² + 1x0.75mm ²
DK-1P32-S-XXX	TPU	Type2 to Type2 EV Charging Cable (Spiral)	1-Phase/ 240V/32A/ 7.4kW	3×6mm ² + 2x0.5mm ²

DK-3P16-S-XXX	TPU	Type2 to Type2 EV Charging Cable (Spiral)	3-Phase/ 415V/16A/ 11kW	5x2.5mm ² + 2x0.5mm ²
DK-3P32-S-XXX	TPU	Type2 to Type2 EV Charging Cable (Spiral)	3-Phase/ 415V/32A/ 22kW	5x6mm ² + 2x0.5mm ²

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Assmann Electronic GmbH
Auf dem Schüffel 3,
58513 Lüdenscheid
Germany

