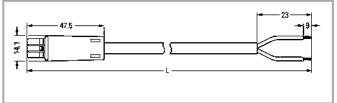
Connecting cable

www.wago.com/894-8992_123-506







Item description

Cable assembly WINSTA® KNX with protection against mismating

For power and signal transmission: The *WINSTA*® KNX cable assembly E coding. WAGO pluggable installation connectors can be used when criteria repeat or are distributed on a defined pattern, for example for installing grid lighting or flush-mount lighting. The coding options reduce installation errors, allowing fast, secure wiring of all components. The pluggable installation connector is protected in accordance with protection type IP20 (Only when mated and secured with a strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)). That results in the fact that users' fingers will never come into contact with live elements. The harmonised KNX interface represents a manufacturer-independent communication protocol for intelligently networking state-of-the-art home and building system technologies. The standardised *WINSTA*® KNX pluggable installation connectors in green are used for transfer of signals in KNX networks. According to the European CPR, the fire class of the cables used for construction is decisive for the safety of buildings, too. For buildings with average safety requirements, cable assemblies with fire class E are suitable. Eliminating halogens as an additive in the manufacture of this cable assembly substantially increases fire safety and reduces environmental pollution.

Fast, error-free assembly thanks to cable assemblies from WAGO

A socket and a free end are available. The WINSTA® Pluggable Connection System allows pluggable electrical installation. This significantly reduces the need for servicing and lowers costs. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with WINSTA® KNX pluggable installation connectors with fire class E from WAGO.

- products perfectly tailored to your requirements guarantee safe use
- for emergency power supply
- ready to install and use immediately
- quick replacement of defective units during ongoing operation

Subject to changes. Please also observe the further product documentation!

WAGO Corporation Germantown, WI 53022

Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222

Email: info.us@wago.com | Web: www.wago.us

Do you have any questions about our products? We are always happy to take your call at +49 (571) 887-44222.

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Data Notes

Note

Cables with a different fire class can be found in the eShop.

| | l data |
|--|--------|
| | |
| | |
| | |

Note on contact resistance Approx. 3 m Ω contact resistance

IEC Approvals

| Ratings per | IEC/EN 60664-1 |
|-------------------------------|---|
| Rated voltage (III / 3) | 50 V |
| Rated impulse voltage (III/3) | 0.8 kV |
| Rated current | 3 A |
| Legend (ratings) | (III / 3) ≙ Overvoltage category III / Pollution degree 3 |

Connection data

| Total number of potentials | 2 |
|----------------------------|---------------------------|
| Conductor preparation | ultrasonically tip-bonded |

Connection 1

| Conductor diameter | 0.8 mm |
|---------------------------------|-------------------|
| Strip length | 9 mm / 0.35 inch |
| Number of poles | 2 |
| Strip length (outer insulation) | 23 mm |
| Connection type | Socket - Free end |

Physical data

| Total length | E | |
|--------------|-----|--|
| Lotallength | 5 m | |
| | | |

Mechanical data

| technology | KNX |
|-----------------|-----|
| Application | KNX |
| Coding | E |
| Variable coding | No |

 $\label{thm:continuity} \textbf{Subject to changes. Please also observe the further product documentation!}$

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| Marking | 1-2- |
|---|--|
| Potential Marking | 1 [±] 2- |
| Mating force of a plug-in connection | approx. 10 15 N |
| Retention force of a plug-in connection | when locked: > 80N |
| Unmating force of a plug-in connection | Unlocked: approx. 15 20 N |
| Number of mating cycles | 200 |
| Connection type | Socket - free end |
| Type of pre-assembled cable | Connecting cable |
| Cable type | UNITRONIC BUS EIB 2x2x0.8 |
| Protection type | IP20; Only when mated and secured with a strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.) |

Plug-in connection

| Mismating protection | Yes |
|-------------------------------|---|
| Note on mismating protection | All WINSTA® components are 100% protected against mismating when: a.) plugging different numbers of poles b.) plugging while rotated 180 c.) plugging while laterally staggered d.) plugging one pole |
| Locking of plug-in connection | locking lever |

Material data

| Note (material data) | Information on material data can be found here |
|----------------------------------|--|
| Insulation material | Polyamide (PA66) |
| Fire class per EN 50575 | E _{ca} |
| Contact material | Copper alloy; surface-treated |
| Connector color | green |
| Strain relief color | black |
| Sheathed cable color | green |
| Printing color of sheathed cable | black |
| Halogen-free | Yes |
| Sheath material | Halogen-free |
| Weight | 1.1 g |
| Copper weight of the pipe | 0.021 kg/m |

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Environmental requirements

| Processing temperature | -5 +40 °C |
|--|---|
| Continuous operating temperature | -35 +85 °C |
| Note on continuous operating temperature | PVC cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C |

Commercial data

| PU (SPU) | 1 Stück |
|----------------|---------------|
| Packaging type | unpacked |
| GTIN | 4050821281597 |

Other

| technology | KNX |
|------------|-----|

Installation Notes

Product family

WINSTA® KNX

Show all products from the family

 $\label{thm:condition} \textbf{Subject to changes. Please also observe the further product documentation!}$

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