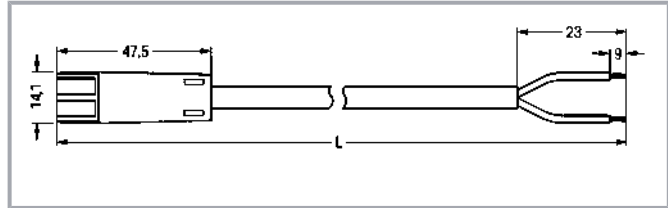
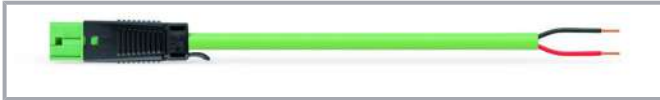


## Data sheet | Item number: 894-8992/233-306

pre-assembled connecting cable; Eca; Plug/open-ended; 2-pole; Cod. E; J-Y  
(ST)Y...LG 2x2x0.8; 3 m; green

[www.wago.com/894-8992\\_233-306](http://www.wago.com/894-8992_233-306)



### Item description

#### Cable assembly *WINSTA*® KNX 2-pole

The *WINSTA*® KNX cable assembly E coding supports rapid, correct installation. The pluggable installation connectors with spring pressure connection technology work without screw connections. They allow fast, efficient, error-free installation in numerous possible uses. The coding options reduce installation errors, allowing fast, maintenance-free wiring of all components. The pluggable installation connector offers touch-proof protection with live components 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.)). The KNX protocol allows different equipment within one building system to be linked. 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 in construction is essential for the safety of buildings, too. For houses with medium-level safety requirements, cable assemblies with fire class E are suitable.

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

The cable is pre-assembled with a plug and a free end. The *WINSTA*® Pluggable Connection System allows pluggable electrical installation. This saves time, lowers costs, and reduces the need for servicing. Now you can also lower installation expenses without compromising safety and quality: The *WINSTA*® KNX pluggable installation connector with protection type IP20 eliminates the need for servicing and prevents unnecessary downtime.

- products perfectly tailored to your requirements guarantee safe use
- with E coding for supplying auxiliary power to I/O devices
- custom-engineered solutions
- convenient installation and commissioning

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](mailto:info.us@wago.com) | Web: [www.wago.us](http://www.wago.us)

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We are always happy to take your call at +49 (571) 887-44222.



## Data Notes

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

## Electrical data

|                            |                                 |
|----------------------------|---------------------------------|
| Note on contact resistance | Approx. 3 mΩ 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                 | Plug - Free end  |

## Physical data

|              |     |
|--------------|-----|
| Total length | 3 m |
|--------------|-----|

## Mechanical data

|             |     |
|-------------|-----|
| technology  | KNX |
| Application | KNX |
| Coding      | E   |

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|   |   |
|---|---|
| Variable coding                         | No  |
| 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                         | Plug - 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<br>(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:<br>a.) plugging different numbers of poles<br>b.) plugging while rotated 180<br>c.) plugging while laterally staggered<br>d.) plugging one pole |
| Locking of plug-in connection | locking lever   |

### Material data

|                                  |  |
|----------------------------------|--|
| Note (material data)             | Information on material data can be found here |
| Color                            | green  |
| Insulation material              | Polyamide (PA66)                               |
| Fire class per EN 50575          | E <sub>ca</sub>                                |
| Contact material                 | Copper alloy; surface-treated                  |
| Fire load                        | 2.778 MJ                                       |
| Connector color                  | green  |
| Strain relief color              | black  |
| Sheathed cable color             | green  |
| Printing color of sheathed cable | black  |
| Halogen-free                     | No   |
| Sheath material                  | PVC  |
| Weight                           | 167.5 g  |

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|                           |            |
|---------------------------|------------|
| Copper weight of the pipe | 0.021 kg/m |
|---------------------------|------------|

## 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)<br>Insulating parts for temperatures ≤ 105 °C |

## Commercial data

|                                     |               |
|-------------------------------------|---------------|
| PU (SPU)                            | 1 Stück       |
| Packaging type                      | unpacked      |
| Country of origin VKOrg Germany     | PL            |
| GTIN                                | 4055143306935 |
| Customs tariff number VKOrg Germany | 85444290900   |

## Other

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

## Downloads

### Documentation

#### Bid Text

|                                 |             |                |          |
|---------------------------------|-------------|----------------|----------|
| 894-8992/233-306<br>X81 - Datei | 2019 Feb 19 | xml<br>3.0 kB  | Download |
| 894-8992/233-306<br>doc - Datei | 2015 Jan 8  | doc<br>25.6 kB | Download |

## CAD files

### CAE data

|                                 |     |          |
|---------------------------------|-----|----------|
| WSCAD Universe 894-8992/233-306 | URL | Download |
| WSCAD Universe 894-8992/233-306 | URL | Download |

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## Environmental Product Compliance

### Compliance Search

| Environmental Product Compliance 894-8992/233-306   | URL | Download |
|---|-----|----------|
| pre-assembled connecting cable; Eca; Plug/open-ended; 2-pole; Cod. E; J-Y(ST)<br>Y...LG 2x2x0.8; 3 m; green |     |          |

## Installation Notes

### Product family

WINSTA® KNX

[Show all products from the family](#)

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