

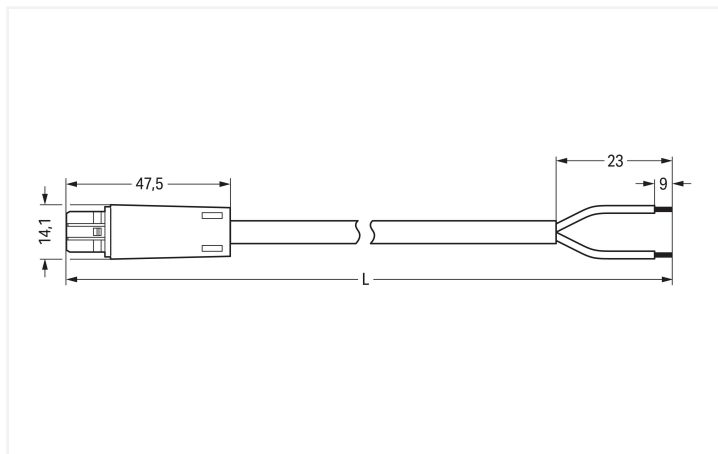
## Data Sheet | Item Number: 894-8992/123-307

pre-assembled connecting cable; Dca; Socket/open-ended; 2-pole; Cod. F; Y-H(St)  
Hh 1x2x0,8; 3 m; gray

<https://www.wago.com/894-8992/123-307>



Color: ■ gray



Dimensions in mm

Cable assembly WINSTA® KNX rated current 3 A

The WINSTA® KNX cable assembly with protection type IP20 allows assembly of solid and fine-stranded conductors. The pluggable installation connectors with spring pressure connection technology work without screw connections. They allow flexible, error-free installation in numerous applications. The coding options reduce installation errors, allowing fast, maintenance-free wiring of all components. The pluggable installation connector offers protection against contact 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 standard is the ultimate benchmark in automation of buildings. It guarantees error-free, manufacturer-independent networking of state-of-the-art building systems. WINSTA® KNX pluggable installation connectors with F coding safeguard connections with protection against mismatching related to power supplies. Building safety must be ensured at all times, even after the electrical installation stage. The safety requirements in connection with EU CPR are met by this product through fire class D. The cable assembly is free of halogen. This eliminates the addition of environmental pollutants during production. It also increases the fire class, since halogen-free materials are flame-resistant.

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

A socket and a free end are available. The WINSTA® Pluggable Connection System is perfectly tailored to the strict requirements of building installation. It makes electrical installation pluggable, and consequently more efficient, even more reliable, and error-free. Using this pre-assembled system reduces assembly times and installation errors at the construction site. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with protection type IP20 from WAGO.

- saves time, since no wiring is required at the construction site
- for high-power connections for supplying power
- flexible installation to save space
- quick replacement of defective units during ongoing operation

### Notes

Note

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

## Electrical data

| Ratings per                     | IEC/EN 60664-1 |     |    | General information        |                                 |
|---------------------------------|----------------|-----|----|----------------------------|---------------------------------|
| Overvoltage category            | III            | III | II | Note on contact resistance | Approx. 3 mΩ contact resistance |
| Pollution degree                | 3              | 2   | 2  |                            |                                 |
| Nominal voltage                 | 50 V           | -   | -  |                            |                                 |
| Rated impulse withstand voltage | 0.8 kV         | -   | -  |                            |                                 |
| Rated current                   | 3 A            | -   | -  |                            |                                 |

## Connection Data

|                            |          |                                 |                    |
|----------------------------|----------|---------------------------------|--------------------|
| Total number of potentials | 2        | <b>Connection 1</b>             |                    |
| Conductor preparation      | stripped | Conductor diameter              | 0.8 mm             |
|                            |          | Strip length                    | 9 mm / 0.35 inches |
|                            |          | Pole number                     | 2                  |
|                            |          | Strip length (outer insulation) | 23 mm              |
|                            |          | Connection type                 | Socket - free end  |

## Physical data

|              |                        |
|--------------|------------------------|
| Width        | 14.1 mm / 0.555 inches |
| Height       | 11.1 mm / 0.437 inches |
| Total length | 3 m                    |

## Mechanical data

|   |  |
|---|--|
| Technology                              | KNX  |
| Coding                                  | F  |
| 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                         | Socket - free end  |
| Type of pre-assembled cable             | Connecting cable   |
| Cable type                              | J-Y(ST)Y...LG 1x2x0.8  |
| 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:<br>a.) plugging different numbers of poles<br>b.) plugging while rotated 180<br>c.) plugging while laterally staggered<br>d.) plugging one pole |

### Material data

|                                    |  |
|------------------------------------|--|
| Note (material data)               | <a href="#">Information on material specifications can be found here</a> |
| Color                              | gray   |
| Insulation material (main housing) | Polyamide (PA66)   |
| Fire class per EN 50575            | D <sub>ca</sub>  |
| Contact material                   | Copper alloy; surface-treated  |
| Contact Plating                    | Tin  |
| Fire load                          | 3.296 MJ   |
| Connector color                    | light gray   |
| Strain relief color                | black  |
| Sheathed cable color               | gray   |
| Printing color of sheathed cable   | black  |
| Halogen-free                       | Yes  |
| Silicon-free                       | Yes  |
| Sheath material                    | Halogen-free   |
| Rubber cable                       | No   |
| Weight                             | 109.7 g  |
| Copper weight of the raw cable     | 0.01 kg/m  |

### Environmental requirements

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

### Commercial data

|                       |               |
|-----------------------|---------------|
| PU (SPU)              | 1 pcs         |
| Packaging type        | unpacked      |
| Country of origin     | PL            |
| GTIN                  | 4050821281566 |
| Customs tariff number | 85444290900   |

### Product Classification

|             |                      |
|-------------|----------------------|
| UNSPSC      | 26121629             |
| eCl@ss 10.0 | 27-44-06-04          |
| eCl@ss 9.0  | 27-44-06-04          |
| ETIM 9.0    | EC002587             |
| ETIM 10.0   | EC002587             |
| ECCN        | NO US CLASSIFICATION |

### Environmental Product Compliance

|                        |                         |
|------------------------|-------------------------|
| RoHS Compliance Status | Compliant, No Exemption |
|------------------------|-------------------------|

Downloads

Environmental Product Compliance



Compliance Search

Environmental Product  
Compliance  
894-8992/123-307



Documentation

Bid Text

|                  |            |                 |   |
|------------------|------------|-----------------|---|
| 894-8992/123-307 | 19.02.2019 | xml<br>3.00 KB  |  |
| 894-8992/123-307 | 16.03.2015 | doc<br>25.50 KB |  |