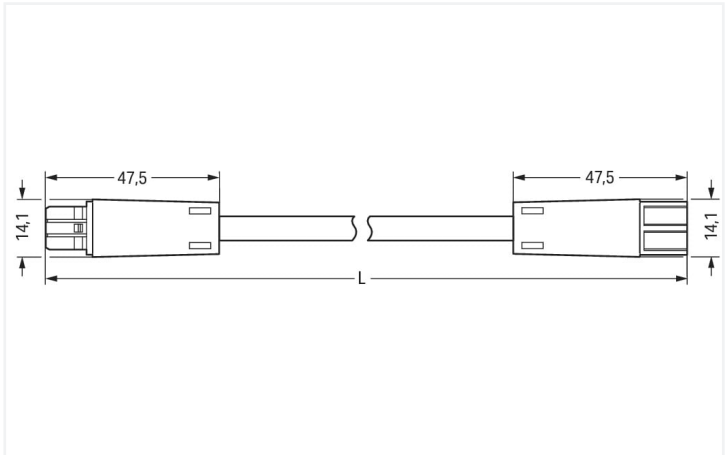




Color: ■ green



Dimensions in mm

Cable assembly WINSTA® KNX rated current 3 A

For power and signal transmission: The WINSTA® KNX cable assembly 2-pole. The pluggable installation connectors with spring pressure connection technology work without screw connections. They allow resource-efficient, error-free installation in a large number of possible uses. The color coding and mechanical coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismatching. 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 standardised KNX interface represents a manufacturer-independent communication protocol for intelligently networking state-of-the-art home and building system technologies. A WINSTA® KNX pluggable installation connector with E coding, like all coded pluggable installation connectors, allows blind mating. E coding is often used for an auxiliary power supply, for example in I/O devices. This product meets all the relevant safety requirements of fire class E; therefore it can be used in domains where fire safety is relevant.

Pluggable connections instead of screw connections – cable assemblies from WAGO

The cable assembly is equipped with a socket and a plug. The WINSTA® Pluggable Connection System is ideally tailored to the strict requirements of building installation. It makes electrical installation pluggable, and thus more efficient, even more reliable, and error-free. Use of this pre-assembled system decreases assembly times and errors during installation at the construction site. Choose durability and quality – the WINSTA® KNX pluggable installation connector with protection against mismatching from WAGO makes the installation of electrical components substantially easier.

- saves time, since no wiring is required at the construction site
- with E coding for supplying auxiliary power to I/O devices
- custom-engineered solutions
- fast, secure installation

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

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



Connection data

|                            |   |                         |               |
|----------------------------|---|-------------------------|---------------|
| Total number of potentials | 2 | Connection 1            |               |
|                            |   | Conductor diameter      | 0.8 mm        |
|                            |   | Pole number             | 2             |
|                            |   | Sheathed cable diameter | 5 ... 7 mm    |
|                            |   | Connection type         | Socket - Plug |

Physical data

|              |                        |
|--------------|------------------------|
| Width        | 14.1 mm / 0.555 inches |
| Height       | 11.1 mm / 0.437 inches |
| Total length | 1 m                    |

Mechanical data

|                                         |                                                                                                                                                      |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Technology                              | KNX                                                                                                                                                  |
| Coding                                  | E                                                                                                                                                    |
| 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 - Plug                                                                                                                                        |
| Type of pre-assembled cable             | Interconnecting 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 <i>WINSTA</i> ® 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="https://www.wago.com/us/material-specifications">Information on material specifications can be found here</a> |
| Color                            | green                                                                                                                  |
| Insulation material              | Polyamide (PA66)                                                                                                       |
| Fire class per EN 50575          | E <sub>ca</sub>                                                                                                        |
| Contact material                 | Copper alloy; surface-treated                                                                                          |
| Contact plating                  | Tin                                                                                                                    |
| Fire load                        | 1.183 MJ                                                                                                               |
| Connector color                  | green                                                                                                                  |
| Strain relief color              | black                                                                                                                  |
| Sheathed cable color             | green                                                                                                                  |
| Printing color of sheathed cable | black                                                                                                                  |
| Halogen-free                     | No                                                                                                                     |
| Silicon-free                     | Yes                                                                                                                    |
| Sheath material                  | PVC                                                                                                                    |
| Rubber cable                     | No                                                                                                                     |



Material data

|                           |            |
|---------------------------|------------|
| Weight                    | 57.4 g     |
| 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 | Cable for temperatures ≤ 70 °C (including halogen-free)<br>Insulating parts for temperatures ≤ 105 °C |

Commercial data

|                       |               |
|-----------------------|---------------|
| eCl@ss 10.0           | 27-44-06-04   |
| eCl@ss 9.0            | 27-44-06-04   |
| ETIM 8.0              | EC002587      |
| ETIM 7.0              | EC002587      |
| PU (SPU)              | 1 pcs         |
| Packaging type        | unpacked      |
| Country of origin     | PL            |
| GTIN                  | 4055143287678 |
| Customs tariff number | 85444290900   |

Environmental Product Compliance

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

Downloads

Environmental Product Compliance

|                                                      |
|------------------------------------------------------|
| Compliance Search                                    |
| Environmental Product Compliance<br>894-8992/033-106 |



Documentation

| Bid Text         |            |                 |                                                                                     |
|------------------|------------|-----------------|-------------------------------------------------------------------------------------|
| 894-8992/033-106 | 19.02.2019 | xml<br>2.97 KB  |  |
| 894-8992/033-106 | 08.01.2015 | doc<br>24.50 KB |  |



CAD/CAE-Data

CAE data

WSCAD Universe  
894-8992/033-106

