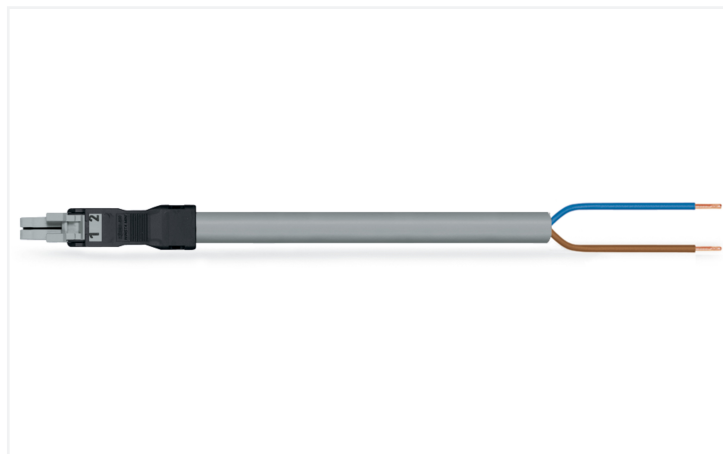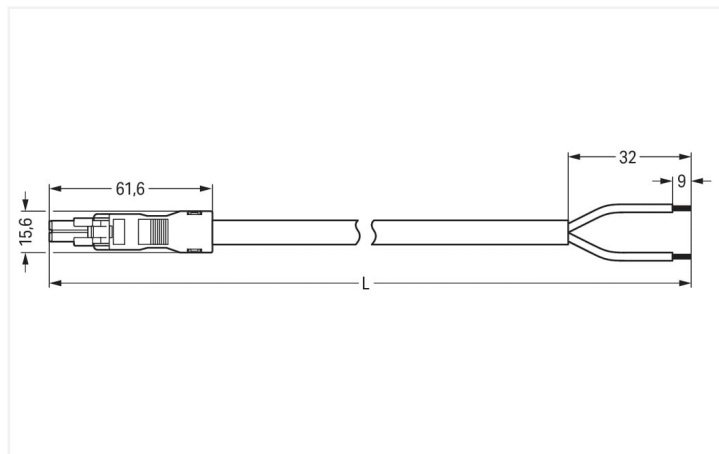# Data Sheet | Item Number: 891-8992/105-603

## pre-assembled connecting cable; Eca; Socket/open-ended; 2-pole; Cod. B; Control cable 2 x 1.0 mm²; 6 m; 1,00 mm²; gray

https://www.wago.com/891-8992/105-603

Color: ■ gray

Dimensions in mm

Cable assembly *WINSTA®* MINI rated current 10 A

The *WINSTA®* MINI cable assembly 2-pole supports fast, reliable installation. The pluggable installation connectors with spring pressure connection technology work entirely without screw connections. They allow resource-efficient, error-free installation in a large number of possible uses. For greater security in electrical installations, the pluggable installation connector is provided with mechanical protection against mismating. The pluggable installation connector offers protection against contact with wires or tools if they are smaller than 1 mm in accordance with protection type IP40. B coding enables the *WINSTA®* MINI pluggable installation connectors to be used for application control in automation, robotics, and mechanical engineering. *WINSTA®* MINI is our response to the trend toward miniaturisation. Our smallest pluggable connection system is primarily suited for lights, for instance, since due to LED technology, these offer significantly less space for the connection technology. Building safety must be ensured at all times, even after the electrical installation stage. The required safety requirements in connection with EU CPR are met by this product through fire class E.

Pluggable connections instead of screw connections – cable assemblies from WAGO

A socket and a free end are available. WINSTA® is the pluggable connection system that is perfectly tailored to the strict requirements of electrical installation. It offers error-free installation of cables and components, quickly and reliably. Now you can also reduce installation costs without compromising quality and safety: with fire class E eliminates the need for servicing and prevents unnecessary downtime.

- pluggable installation connectors with protection against mismating
- easy tool-free operation, a wide range of coding options
- for automation controllers
- custom-engineered solutions
- convenient installation and commissioning

## Notes

| | |
|---|---|
| Note | Cables with a different fire class can be found in the eShop. |
| Variants: | Other pole markings<br>Other versions (or variants) can be requested from WAGO Sales or configured at https://configurator.wago.com/. |

## Electrical data

| Ratings per | IEC/EN 60664-1 | | |
|---|---|---|---|
| Overvoltage category | III | III | II |
| Pollution degree | 3 | 2 | 2 |
| Nominal voltage | 250 V | - | - |
| Rated surge voltage | 4 kV | - | - |
| Rated current | 10 A | - | - |

### General information

| | |
|---|---|
| Note on contact resistance | approx. 1 mΩ of contact resistance approx. 0.25 mΩ contact transition plug/socket |

## Connection data

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

### Connection 1

| | |
|---|---|
| Strip length | 9 mm / 0.35 inches |
| Pole number | 2 |
| Wire cross-section | 1 mm² |
| Strip length (outer insulation) | 32 mm |
| Connection type | Socket - free end |

## Physical data

| | |
|---|---|
| Pin spacing | 4.4 mm / 0.173 inches |
| Width | 15.6 mm / 0.614 inches |
| Height | 13.2 mm / 0.52 inches |
| Total length | 6 m |

## Mechanical data

| | |
|---|---|
| Use | Control technology |
| Coding | B |
| Variable coding | No |
| Marking | 1 2 |
| Potential marking | 1 2 |
| Mating force of a plug-in connection | approx. 20 … 70 N (depending on pole number) |
| Retention force of a plug-in connection | when locked: > 80N |
| Unmating force of a plug-in connection | when unlocked: approx. 20 … 70 N (depending on pole number) |
| Number of mating cycles | 200, without resistive load |
| Connection type | Socket - free end |
| Type of pre-assembled cable | Connecting cable |
| Cable type | Control line 2x1 |
| Protection type | IP40 |

## 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 lever | Can be retrofitted |
| Locking of plug-in connection | Locking lever |
| Note on locking system | All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket). |

## Material data

| | |
|---|---|
| Note (material data) | Information on material specifications can be found here |
| Color | gray |
| Insulation material (main housing) | Polyamide (PA66) |
| Fire class per EN 50575 | E$_{ca}$ |
| Contact material | Copper or copper alloy; surface-treated |
| Contact Plating | Tin |
| Fire load | 0.172 MJ |
| Connector color | gray |
| Strain relief color | black |

## Material data

| | |
|---|---|
| Sheathed cable color | gray |
| Printing color of sheathed cable | black |
| Halogen-free | No |
| Silicon-free | Yes |
| Sheath material | PVC |
| Rubber cable | No |
| Weight | 286.3 g |
| Copper weight of the pipe | 0.0192 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) 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 9.0 | EC002587 |
| ETIM 8.0 | EC002587 |
| PU (SPU) | 1 pcs |
| Packaging type | unpacked |
| Country of origin | PL |
| GTIN | 4050821489825 |
| Customs tariff number | 85444290900 |

## Environmental Product Compliance

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

## Downloads

### Environmental Product Compliance

**Compliance Search**

| Environmental Product Compliance 891-8992/105-603 | ↓ |
|---|---|

## Documentation

**Bid Text**

| 891-8992/105-603 | 19.02.2019 | xml 3.01 KB | ↓ |
|---|---|---|---|
| 891-8992/105-603 | 02.12.2014 | doc 24.50 KB | ↓ |

**WAGO**

## CAD/CAE-Data

### CAE data

EPLAN Data Portal
891-8992/105-603

## 1 Compatible Products

### 1.1 Required Accessories

### 1.1.1 Locking system

#### 1.1.1.1 Locking system

Item No.: 890-111
Locking lever; for flying leads; for tool operation; black

Item No.: 890-131
Locking lever; for flying leads; for tool operation; white

Item No.: 890-101
Locking lever; for manual operation; black

Item No.: 890-121
Locking lever; for manual operation; white

### 1.2 Optional Accessories

### 1.2.1 Cover

#### 1.2.1.1 Cover

Item No.: 897-2001
Protective cap; Type1; for sockets and plugs; PVC; red

### 1.2.2 Installation

#### 1.2.2.1 Mounting accessories

Item No.: 890-310
Mounting carrier; 2- to 5-pole; for flying leads; black

Item No.: 890-311
Mounting carrier; 2- to 5-pole; for flying leads; white

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

Current addresses can be found at:: www.wago.com