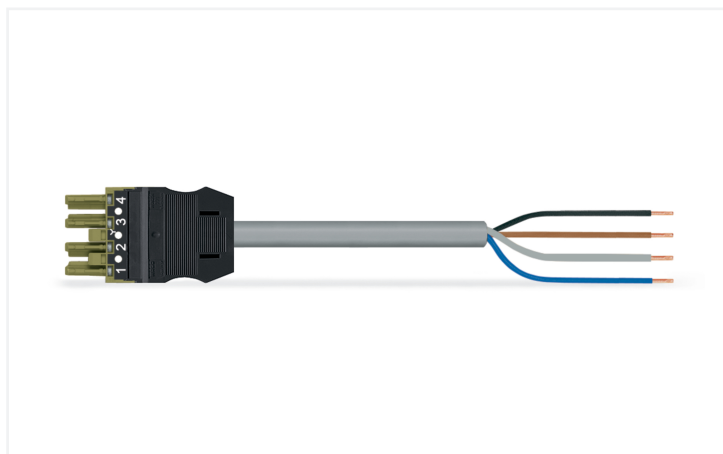


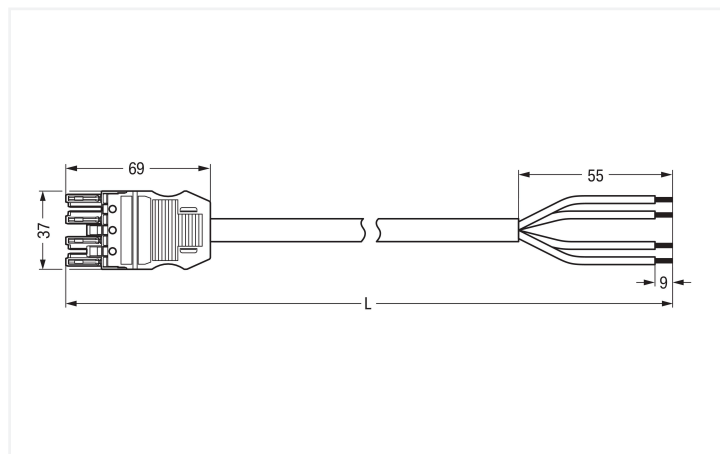
## Data Sheet | Item Number: 771-9994/106-905

pre-assembled connecting cable; Eca; Socket/open-ended; 4-pole; Cod. B; Control cable  
4 x 1.5 mm<sup>2</sup>; 9 m; 1,50 mm<sup>2</sup>; light green

<https://www.wago.com/771-9994/106-905>



Color: ■ light green



Dimensions in mm

### Cable assembly WINSTA® MIDI 4-pole

The WINSTA® MIDI cable assembly B coding is the pluggable solution for your application in control cabinets, for lighting connections or on PCBs. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to establish connections according to various requirements in seconds. For greater security in electrical installations, the pluggable installation connector is provided with protection type IP20 (When mated: IP2xC (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 contact elements. Solutions like the WINSTA® MIDI pluggable installation connectors with B coding are appropriate for applications involving process control, such as for lighting or in data networks. WINSTA® MIDI with Push-in CAGE CLAMP® spring pressure connection technology is found in a broad range of individual products you can use for quick, easy, flexible, and secure installation. Of course, the safety of buildings must always be ensured, even after the electrical installation has been performed. 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

The cable assembly is provided with a socket and a free end. The WINSTA® Pluggable Connection System allows pluggable electrical installation. This saves time, lowers costs, and reduces the need for servicing. Choose quality and durability – with protection type IP20 from WAGO makes the electrical installation of electrical components noticeably easier.

- effective protection against mismatching
- for automation controllers
- with B coding for use in process automation, such as lighting technology, for example
- ready for immediate use
- quick replacement of defective units during ongoing operation

## Notes

### General safety information

1. Only to be used by a qualified electrician or by a person electrically instructed for the task (EIP per DIN VDE 0105-100).
2. Do not install while energized or under load.
3. Use only for its intended purpose.
4. Observe applicable national regulations, standards and directives.
5. Observe the technical specifications of the products.
6. Ensure correct polarity assignment.
7. Do not use damaged or contaminated components.
8. Observe conductor types, conductor cross-sections, strip lengths and cable diameters.
9. Insert conductors up to the stop.
10. Use only with locking lever and strain relief.
11. Use original accessories only.

**To be sold only with installation instructions!**

Note

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

## Notes

|           |   |
|-----------|---|
| Variants: | Other pole markings<br>Other versions (or variants) can be requested from WAGO Sales or configured at <a href="https://configurator.wago.com/">https://configurator.wago.com/</a> . |
|-----------|---|

## Electrical data

### Ratings per IEC/EN

|   |   |
|---|---|
| Ratings per                               | IEC/EN 60664-1  |
| Nominal voltage (III/3)                   | 400 V   |
| Rated impulse withstand voltage (III / 3) | 6 kV  |
| Rated current                             | 16 A  |
| Legend (ratings)                          | (III / 3) $\hat{=}$ Overvoltage category III / Pollution degree 3 |

### General information

|                            |  |
|----------------------------|--|
| Note on contact resistance | approx. 1 m $\Omega$ of contact resistance<br>approx. 0.25 m $\Omega$ contact transition plug/socket |
|----------------------------|--|

## Connection Data

|                            |                           |
|----------------------------|---------------------------|
| Total number of potentials | 4                         |
| Conductor preparation      | ultrasonically tip-bonded |

### Connection 1

|                                 |                     |
|---------------------------------|---------------------|
| Strip length                    | 9 mm / 0.35 inches  |
| Pole number                     | 4                   |
| Wire cross-section              | 1.5 mm <sup>2</sup> |
| Strip length (outer insulation) | 55 mm               |
| Connection type                 | Socket - free end   |

## Physical data

|              |                        |
|--------------|------------------------|
| Pin spacing  | 10 mm / 0.394 inches   |
| Width        | 37 mm / 1.457 inches   |
| Height       | 12.9 mm / 0.508 inches |
| Total length | 9 m                    |

## Mechanical data

|   |   |
|---|---|
| Use                                     | Control technology  |
| Coding                                  | B   |
| Variable coding                         | Yes   |
| Marking                                 | 1 2 3 4   |
| Potential marking                       | 1 2 3 4   |
| 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 4x1.5  |
| Protection type                         | IP20; When mated: IP2xC (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 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)               | <a href="#">Information on material specifications can be found here</a> |
| Color                              | light green  |
| Insulation material (main housing) | Polyamide (PA66)   |
| Flammability class per UL94        | V0   |
| Fire class per EN 50575            | E <sub>ca</sub>  |
| Contact material                   | Copper or copper alloy; surface-treated                                  |
| Contact Plating                    | Tin  |
| Fire load                          | 0.377 MJ   |
| Connector color                    | light green  |
| Strain relief color                | black  |
| Printing color of strain relief    | white  |
| Sheathed cable color               | gray   |
| Printing color of sheathed cable   | black  |
| Halogen-free                       | No   |
| Silicon-free                       | Yes  |
| Sheath material                    | PVC  |
| Rubber cable                       | No   |
| Weight                             | 995.7 g  |
| Copper weight of the raw cable     | 0.058 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                  | 4066966889833 |
| Customs tariff number | 85444290900   |

| Product Classification |                      |
|------------------------|----------------------|
| UNSPSC                 | 26121629             |
| 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<br>771-9994/106-905  |

## 1 Compatible Products

### 1.1 Required Accessories

#### 1.1.1 Locking system



##### 1.1.1.1 Locking system

|  |  |  |  |
|--|--|--|--|
|       |       |    |   |
| <b>Item No.: 770-101</b><br>Locking lever; for flying leads; for manual operation; black | <b>Item No.: 770-121</b><br>Locking lever; for flying leads; for manual operation; white | <b>Item No.: 770-111</b><br>Locking lever; for flying leads; for tool operation; black | <b>Item No.: 770-131</b><br>Locking lever; for flying leads; for tool operation; white |

### 1.2 Optional Accessories

#### 1.2.1 Cover

##### 1.2.1.1 Cover

|  |  |
|--|--|
|       |       |
| <b>Item No.: 770-201</b><br>Lockout cap; 12-pole, separable; for sockets; Plastic; black | <b>Item No.: 770-221</b><br>Lockout cap; 12-pole, separable; for sockets; Plastic; white |

#### 1.2.2 Installation

##### 1.2.2.1 Mounting accessories

|   |
|---|
|  |
| <b>Item No.: 770-310</b><br>Mounting carrier; 2- to 5-pole; for flying leads; black |

### 1.2.3 Marking

#### 1.2.3.1 Marker



**Item No.: 770-450/000-006**  
Marker card; Plastic; blue



**Item No.: 770-450/000-001**  
Marker card; Plastic; green



**Item No.: 770-450/000-012**  
Marker card; Plastic; orange



**Item No.: 770-450/000-005**  
Marker card; Plastic; red



**Item No.: 770-450**  
Marker card; Plastic; white



**Item No.: 770-450/000-002**  
Marker card; Plastic; yellow

#### 1.2.3.2 Marking strip



**Item No.: 210-334**  
Marking strips; as a DIN A4 sheet; Strip width 5 mm; Strip length 182 mm; plain; Self-adhesive; white