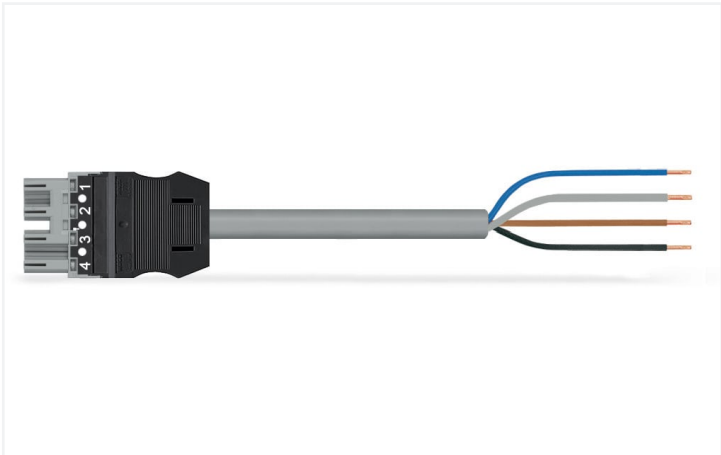
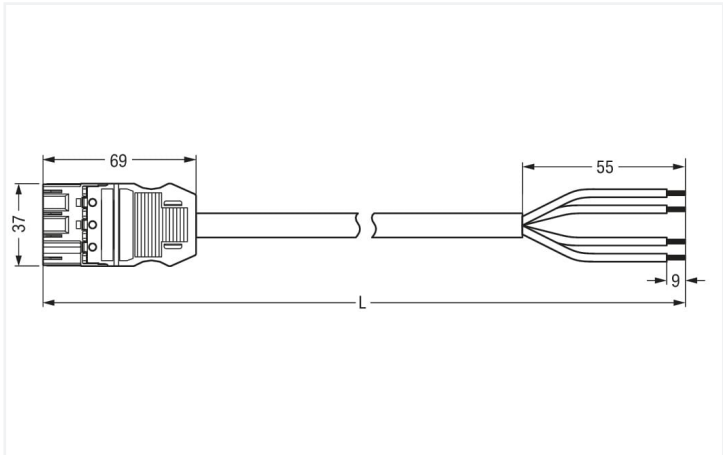




Color: ■ gray



Dimensions in mm

Cable assembly WINSTA® MIDI with protection type IP20

The WINSTA® MIDI cable assembly with protection type IP20 is the pluggable solution for your application in control cabinets, for lighting connections or on PCBs. WAGO pluggable installation connectors can be used when specifications repeat or are distributed on a specified pattern, for example for installing grid lighting or flush-mount lighting. For greater security in electrical installations, the pluggable installation connector is equipped with mechanical protection against mismatching. The pluggable installation connector offers touch-proof protection with live components in accordance with protection type IP20 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). Solutions like the WINSTA® MIDI pluggable installation connectors with B coding are suitable for applications related to process control, such as for lighting or within 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.

Fast, secure pluggable connections – cable assemblies from WAGO

A plug and a free end are provided. WINSTA® is the pluggable connection system that is ideally tailored to the strict requirements of electrical installation. It offers fast, secure and, above all, error-free installation of components and cables. Choose quality and durability – with strain relief hosting from WAGO makes the installation of electrical components substantially easier.

- pluggable installation connectors with protection against mismatching
- for automation controllers
- for automation controllers
- flexible installation to save space
- rapid, structured electrical installation

| 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 <a href="https://configurator.wago.com/">https://configurator.wago.com/</a> . |

| Electrical data      |  |                |     |                     |                                                                                                                                                                                                                                                                        |
|----------------------|--|----------------|-----|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ratings per          |  | IEC/EN 60664-1 |     | Ratings per UL 1977 |                                                                                                                                                                                                                                                                        |
| Overvoltage category |  | III            | III | II                  | Note for the US market<br><br>Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office. |
| Pollution degree     |  | 3              | 2   | 2                   |                                                                                                                                                                                                                                                                        |
| Nominal voltage      |  | 400 V          | -   | -                   |                                                                                                                                                                                                                                                                        |
| Rated surge voltage  |  | 6 kV           | -   | -                   |                                                                                                                                                                                                                                                                        |
| Rated current        |  | 10 A           | -   | -                   |                                                                                                                                                                                                                                                                        |



| General information        |                                                                                          |
|----------------------------|------------------------------------------------------------------------------------------|
| Note on contact resistance | approx. 1 mΩ of contact resistance<br>approx. 0.25 mΩ contact transition plug/<br>socket |

| Connection data            |                           |                                 |                    |
|----------------------------|---------------------------|---------------------------------|--------------------|
| Total number of potentials | 4                         | <b>Connection 1</b>             |                    |
| Conductor preparation      | ultrasonically tip-bonded | Strip length                    | 9 mm / 0.35 inches |
|                            |                           | Pole number                     | 4                  |
|                            |                           | Sheathed cable diameter         | 7.1 ... 9 mm       |
|                            |                           | Wire cross-section              | 1 mm²              |
|                            |                           | Strip length (outer insulation) | 55 mm              |
|                            |                           | Connection type                 | Plug - free end    |

| Physical data |  |                      |
|---------------|--|----------------------|
| Pin spacing   |  | 10 mm / 0.394 inches |
| Width         |  | 37 mm / 1.457 inches |
| Total length  |  | 6 m                  |

| Mechanical data                         |  |                                                                                                               |
|-----------------------------------------|--|---------------------------------------------------------------------------------------------------------------|
| Application                             |  | 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                         |  | Plug - free end                                                                                               |
| Type of pre-assembled cable             |  | Connecting cable                                                                                              |
| Cable type                              |  | Control line 4 x 1                                                                                            |
| 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="https://www.wago.com/us/material-specifications">Information on material specifications can be found here</a> |
| Color                            | gray                                                                                                                   |
| Insulation material              | Polyamide (PA66)                                                                                                       |
| Fire class per EN 50575          | E <sub>ca</sub>                                                                                                        |
| Contact material                 | Copper or copper alloy; surface-treated                                                                                |
| Contact plating                  | Tin                                                                                                                    |
| Fire load                        | 0.474 MJ                                                                                                               |
| Connector color                  | gray                                                                                                                   |
| 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                           | 495.8 g                                                                                                                |
| Copper weight of the pipe        | 0.0384 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   |
| ETIM 8.0              | EC002587      |
| ETIM 7.0              | EC002587      |
| PU (SPU)              | 1 pcs         |
| Packaging type        | unpacked      |
| Country of origin     | DE            |
| GTIN                  | 4055143510622 |
| Customs tariff number | 85444290900   |

## Environmental Product Compliance

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



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance  
771-9994/205-603

↓

Documentation

| Bid Text         |            |                 |   |
|------------------|------------|-----------------|---|
| 771-9994/205-603 | 19.02.2019 | xml<br>2.99 KB  | ↓ |
| 771-9994/205-603 | 02.06.2015 | doc<br>27.00 KB | ↓ |

CAD/CAE-Data

CAE data

EPLAN Data Portal  
771-9994/205-603

↓

1 Compatible Products

1.1 Required Accessories

1.1.1 Locking system

1.1.1.1 Locking system



**Item No.: 770-101**  
Locking lever; for flying leads; for manual operation; black



**Item No.: 770-121**  
Locking lever; for flying leads; for manual operation; white



**Item No.: 770-111**  
Locking lever; for flying leads; for tool operation; black



**Item No.: 770-131**  
Locking lever; for flying leads; for tool operation; white

1.2 Optional Accessories

1.2.1 Cover

1.2.1.1 Cover



**Item No.: 770-360**  
Lockout cap; for plugs; 5-pole; separable; yellow

1.2.2 Installation

1.2.2.1 Mounting accessories



[Item No.: 770-310](#)  
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