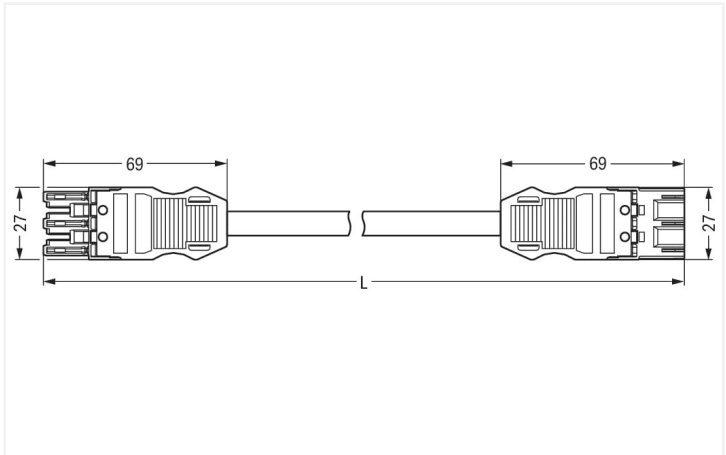




Dimensions in mm

Cable assembly WINSTA® MIDI B coding

The WINSTA® MIDI cable assembly B coding is the pluggable solution for your application in control cabinets, for lighting connections or on PCBs. WAGO pluggable installation connectors are useful when requirements repeat or are distributed on a defined pattern, for example for installing grid lighting or flush-mount lighting. The coding options reduce installation errors, allowing fast, secure wiring of all components. The pluggable installation connector offers protection against contact 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!)). Pluggable installation connectors with B coding from the WINSTA® MIDI line are available in gray, light green, or pink, allowing you to distinguish different circuits, for example for light, pumps or, sun blinds. Your own pole marking is possible, too. The WINSTA® MIDI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology facilitates exemplary electrification. Due to the included test slot, connections can be checked even when they are plugged in. This saves time, labor, and money. If you need to meet stricter safety standards, you should use cables with fire class B2. These are suitable for use in buildings with extremely high demands on safety. Not using halogen additives in the manufacture of this cable assembly noticeably increases fire safety and minimises environmental contamination.

Pluggable connections instead of screw connections – cable assemblies from WAGO

A socket and a plug 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. Use of this pre-assembled system reduces time spent on assembly and errors during installation at the construction site. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with strain relief hosting from WAGO.

- protection against mismatching eliminates errors
- for automation controllers
- for automation controllers
- exact dimensions
- quick replacement of defective units during ongoing operation

| 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 |     |    |
|----------------------|----------------|-----|----|
| 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<br>approx. 0.25 mΩ contact transition plug/<br>socket |
|----------------------------|------------------------------------------------------------------------------------------|

## Connection data

|                            |   |
|----------------------------|---|
| Total number of potentials | 3 |
|----------------------------|---|

## Connection 1

|                    |                   |
|--------------------|-------------------|
| Pole number        | 3                 |
| Wire cross-section | 1 mm <sup>2</sup> |
| Connection type    | Socket - Plug     |

## Physical data

|              |                      |
|--------------|----------------------|
| Pin spacing  | 10 mm / 0.394 inches |
| Width        | 27 mm / 1.063 inches |
| Total length | 2 m                  |

## Mechanical data

|                                         |                                                                                                               |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Use                                     | Control technology                                                                                            |
| Coding                                  | B                                                                                                             |
| Variable coding                         | Yes                                                                                                           |
| Marking                                 | 1 2 3                                                                                                         |
| Potential marking                       | 1 2 3                                                                                                         |
| 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 - Plug                                                                                                 |
| Type of pre-assembled cable             | Interconnecting cable                                                                                         |
| Cable type                              | H05Z1Z1-F 3x1                                                                                                 |
| 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 <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                                                                                        |
| 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> |
| Insulation material (main housing) | Polyamide (PA66)                                                         |
| Flammability class per UL94        | V0                                                                       |
| Fire class per EN 50575            | B2 <sub>ca</sub>                                                         |
| Contact material                   | Copper or copper alloy; surface-treated                                  |
| Contact Plating                    | Tin                                                                      |
| Fire load                          | 0.626 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                       | Yes                                                                      |
| Silicon-free                       | Yes                                                                      |
| Sheath material                    | Halogen-free                                                             |
| Rubber cable                       | No                                                                       |
| Weight                             | 162.9 g                                                                  |
| Copper weight of the pipe          | 0.029 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 9.0              | EC002587      |
| ETIM 8.0              | EC002587      |
| PU (SPU)              | 1 pcs         |
| Packaging type        | unpacked      |
| Country of origin     | DE            |
| GTIN                  | 4055143758611 |
| Customs tariff number | 85444290900   |

## Environmental Product Compliance

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



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance  
771-9293/015-203

↓

CAD/CAE-Data

CAE data

EPLAN Data Portal  
771-9293/015-203

↓

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.: 770-201](#)  
Lockout cap; 12-pole, separable; for sockets; Plastic; black

  
[Item No.: 770-221](#)  
Lockout cap; 12-pole, separable; for sockets; Plastic; white

  
[Item No.: 770-360](#)  
Lockout cap; for plugs; 5-pole; separable; yellow

  
[Item No.: 897-2003](#)  
Protective cap; Type2; for sockets and plugs; PVC; red

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