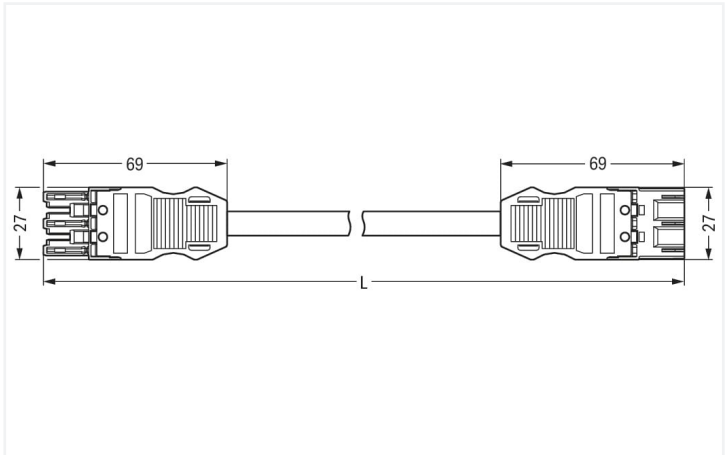




Dimensions in mm

Cable assembly WINSTA® MIDI with protection type IP20

The WINSTA® MIDI cable assembly 3-pole supports fast, reliable installation. WAGO pluggable installation connectors can be used when requirements repeat or are planned on a defined grid, for example for installing grid lighting or flush-mount lighting. For greater security in electrical installations, the pluggable installation connector is provided with mechanical protection against mismatching. The pluggable installation connector is protected against ingress by solid objects in accordance with protection type IP20 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). B coding enables the WINSTA® MIDI pluggable installation connectors to be used for application control in the domains of automation, robotics, and mechanical engineering. WINSTA® MIDI with Push-in CAGE CLAMP® spring pressure connection technology is used in a broad range of individual products you can use for quick, easy and maximally flexible electrical installation. Compliance with fire protection regulations is an essential issue for building installation. Especially in sensitive areas, the fire class must meet or even exceed extensive requirements. This product complies with the requirements of fire class B2. In the production of this cable assembly, halogens were deliberately omitted. This is an important contribution to environmental protection.

Fast, error-free assembly thanks to cable assemblies from WAGO

The cable is pre-assembled with a socket and a plug. The WINSTA® Pluggable Connection System is ideally tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and thus faster, more reliable, and error-free. Using this pre-assembled system reduces time spent on assembly and installation errors at the construction site. Now you can also reduce installation costs without compromising safety and quality: The WINSTA® MIDI pluggable installation connector with fire class B2 eliminates the need for servicing and prevents unnecessary downtime.

- protection against mismatching eliminates errors
- pre-assembled versions
- with B coding for use in process automation, such as lighting technology, among other examples
- custom-engineered solutions
- 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           | -   | -  |

| Ratings per UL 1977    |                                                                                                                                                                                                                                          |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note for the US market | 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. |

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

| Connection data            |   |  |
|----------------------------|---|--|
| Total number of potentials | 3 |  |

| Connection 1            |               |
|-------------------------|---------------|
| Pole number             | 3             |
| Sheathed cable diameter | 6.3 ... 8 mm  |
| Wire cross-section      | 1 mm²         |
| Connection type         | Socket - Plug |

| Physical data |                      |
|---------------|----------------------|
| Pin spacing   | 10 mm / 0.394 inches |
| Width         | 27 mm / 1.063 inches |
| Total length  | 8 m                  |

| Mechanical data                         |                                                                                                               |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Application                             | 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="https://www.wago.com/us/material-specifications">Information on material specifications can be found here</a> |
| Insulation material              | 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                        | 0.622 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                     | Yes                                                                                                                    |
| Silicon-free                     | Yes                                                                                                                    |
| Sheath material                  | Halogen-free                                                                                                           |
| Rubber cable                     | No                                                                                                                     |
| Weight                           | 588.8 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 8.0              | EC002587      |
| ETIM 7.0              | EC002587      |
| PU (SPU)              | 1 pcs         |
| Packaging type        | unpacked      |
| Country of origin     | DE            |
| GTIN                  | 4055143759175 |
| Customs tariff number | 85444290900   |



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

Downloads

| Environmental Product Compliance                     |  |
|------------------------------------------------------|--|
| Compliance Search                                    |  |
| Environmental Product Compliance<br>771-9293/015-805 |  |

| CAD/CAE-Data                          |  |
|---------------------------------------|--|
| CAE data                              |  |
| EPLAN Data Portal<br>771-9293/015-805 |  |

1 Compatible Products

1.1 Required Accessories

1.1.1 Locking system

1.1.1.1 Locking system

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

1.2 Optional Accessories

1.2.1 Cover

1.2.1.1 Cover

|                                                                                                   |                                                                                                   |                                                                                        |                                                                                              |
|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
|                                                                                                   |                                                                                                   |                                                                                        |                                                                                              |
| <a href="#">Item No.: 770-201</a><br>Lockout cap; 12-pole, separable; for sockets; Plastic; black | <a href="#">Item No.: 770-221</a><br>Lockout cap; 12-pole, separable; for sockets; Plastic; white | <a href="#">Item No.: 770-360</a><br>Lockout cap; for plugs; 5-pole; separable; yellow | <a href="#">Item No.: 897-2003</a><br>Protective cap; Type2; for sockets and plugs; PVC; red |

1.2.2 Installation

1.2.2.1 Mounting accessories

|                                                                                              |
|----------------------------------------------------------------------------------------------|
|                                                                                              |
| <a href="#">Item No.: 770-310</a><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