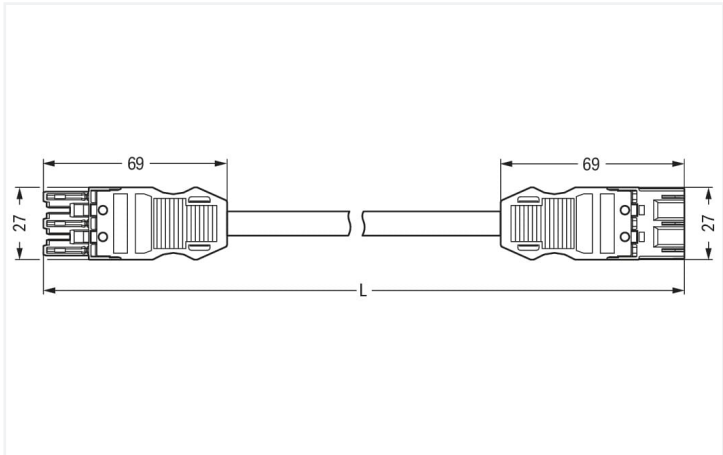




Color: ■ black



Dimensions in mm

Cable assembly *WINSTA*® MIDI 3-pole

For signal and power transmission: The *WINSTA*® MIDI cable assembly with protection type IP20. WAGO pluggable installation connectors are used when criteria repeat or are planned on a defined grid, 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 is protected in accordance with protection type IP20 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). This means that users' fingers will never come into contact with energised elements. Thanks to the color coding and mechanical A coding of *WINSTA*® MIDI pluggable installation connectors, you can clearly distinguish different circuits. This pluggable installation connector can be employed for a voltage load of up to 20 A. Thus, it can also be used for high power loads. The *WINSTA*® MIDI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology facilitates precise electrification. Due to the included test slot, it is possible to check connections even when they are plugged in. This saves time, labor, and money. Anyone who needs to take into account technical safety requirements related to fire protection for electrical installation should use only top quality components. Our product meets the official safety standards of fire class C. Eliminating halogens as an additive in the manufacture of this cable assembly noticeably improves fire safety and minimises environmental pollution.

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 allows pluggable electrical installation. This significantly reduces the need for servicing and lowers costs. Choose durability and quality – the *WINSTA*® MIDI pluggable installation connector with marking from WAGO makes the electrical installation of electrical components significantly easier.

- pluggable installation connectors with protection against mismatching
- simple circuits
- suitable for any application
- flexible installation to save space
- convenient installation and commissioning

| Notes |                                                               |
|-------|---------------------------------------------------------------|
| Note  | Cables with a different fire class can be found in the eShop. |

| 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        | 20 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/<br>socket |
|----------------------------|------------------------------------------------------------------------------------------|

### Connection data

|                            |                      |                         |                 |
|----------------------------|----------------------|-------------------------|-----------------|
| Total number of potentials | 3                    | <b>Connection 1</b>     |                 |
| PE function                | Preceding PE contact | Pole number             | 3               |
|                            |                      | Sheathed cable diameter | 9.2 ... 11.4 mm |
|                            |                      | Wire cross-section      | 2.5 mm²         |
|                            |                      | Connection type         | Socket - Plug   |

### Physical data

|              |                        |
|--------------|------------------------|
| Pin spacing  | 10 mm / 0.394 inches   |
| Width        | 28.4 mm / 1.118 inches |
| Height       | 12.9 mm / 0.508 inches |
| Total length | 8 m                    |

### Mechanical data

|                                         |                                                                                                               |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Application                             | General mains applications                                                                                    |
| Coding                                  | A                                                                                                             |
| Variable coding                         | Yes                                                                                                           |
| Marking                                 | L N                                                                                                           |
| Potential marking                       | L N                                                                                                           |
| 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 3G2.5                                                                                               |
| 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="https://www.wago.com/us/material-specifications">Information on material specifications can be found here</a> |
| Color                            | black                                                                                                                  |
| Insulation material              | Polyamide (PA66)                                                                                                       |
| Flammability class per UL94      | V0                                                                                                                     |
| Fire class per EN 50575          | C <sub>ca</sub>                                                                                                        |
| Contact material                 | Copper or copper alloy; surface-treated                                                                                |
| Contact plating                  | Tin                                                                                                                    |
| Fire load                        | 0.601 MJ                                                                                                               |
| Connector color                  | black                                                                                                                  |
| Strain relief color              | black                                                                                                                  |
| Printing color of strain relief  | white                                                                                                                  |
| Sheathed cable color             | black                                                                                                                  |
| Printing color of sheathed cable | white                                                                                                                  |
| Halogen-free                     | Yes                                                                                                                    |
| Silicon-free                     | Yes                                                                                                                    |
| Sheath material                  | Halogen-free                                                                                                           |
| Rubber cable                     | No                                                                                                                     |
| Weight                           | 1290.8 g                                                                                                               |
| Copper weight of the pipe        | 0.072 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                  | 4055143772259 |
| Customs tariff number | 85444290900   |

## Environmental Product Compliance

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



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance  
771-9393/067-801

↓

CAD/CAE-Data

CAE data

EPLAN Data Portal  
771-9393/067-801

↓

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