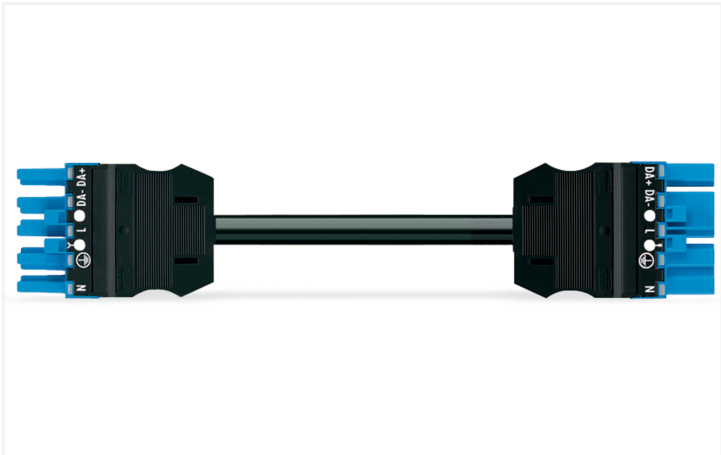
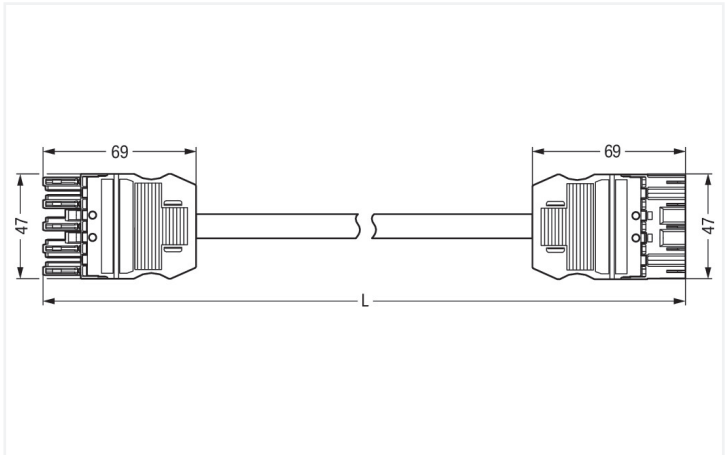




Color: ■ blue



Dimensions in mm

Cable assembly WINSTA® MIDI with protection type IP20

Use effective pluggable connections instead of laborious screw connections: With the WINSTA® MIDI cable assembly 5-pole. 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. The color coding and mechanical coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismatching. 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 in-to contact with electrified contact elements. I coding in blue is used to mark WINSTA® MIDI pluggable installation connectors, which are used above all in automation of buildings for controlling lighting. The WINSTA® MIDI product line offers total flexibility for the electrical installation. With its Push-in CAGE CLAMP® spring pressure connection technology, it achieves error-free, time-saving installation and offers flexibility for meeting various installation requirements. 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. The cable assembly is halogen-free. This eliminates the addition of environmental pollutants during production. It also achieves a higher fire class, since halogen-free materials are flame-resistant.

Pluggable connections instead of screw connections – cable assemblies from WAGO

The cable is pre-assembled with a socket and a plug. WINSTA® is the pluggable connection system that is perfectly tailored to the strict requirements of electrical installation. It ensures fast, secure and, above all, error-free installation of components and cables. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with protection type IP20 from WAGO.

- effective protection against mismatching
- pre-assembled versions
- with I coding for use in the automation of buildings (lighting control)
- ready for immediate use
- quick replacement of defective units during ongoing operation

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

| Electrical data      |       |                |     |    | General information        |                                                                                          |
|----------------------|-------|----------------|-----|----|----------------------------|------------------------------------------------------------------------------------------|
| Ratings per          |       | IEC/EN 60664-1 |     |    | Note on contact resistance | approx. 1 mΩ of contact resistance<br>approx. 0.25 mΩ contact transition plug/<br>socket |
| Overvoltage category |       | III            | III | II |                            |                                                                                          |
| Pollution degree     |       | 3              | 2   | 2  |                            |                                                                                          |
| Nominal voltage      | 400 V | -              | -   | -  |                            |                                                                                          |
| Rated surge voltage  | 6 kV  | -              | -   | -  |                            |                                                                                          |
| Rated current        | 16 A  | -              | -   | -  |                            |                                                                                          |



Connection data

|                            |                      |                    |               |
|----------------------------|----------------------|--------------------|---------------|
| Total number of potentials | 5                    | Connection 1       |               |
| PE function                | Preceding PE contact | Pole number        | 5             |
|                            |                      | Wire cross-section | 1.5 mm²       |
|                            |                      | Connection type    | Socket - Plug |

Physical data

|              |                         |
|--------------|-------------------------|
| Pin spacing  | 10 mm / 0.394 inches    |
| Width        | 47 mm / 1.85 inches     |
| Height       | 15.38 mm / 0.606 inches |
| Total length | 3 m                     |

Mechanical data

|                                         |                                                                                                               |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Use                                     | DALI, Lighting Management                                                                                     |
| Coding                                  | I                                                                                                             |
| Variable coding                         | No                                                                                                            |
| Marking                                 | N ⊕ L DA- DA+                                                                                                 |
| Potential marking                       | N ⊕ L DA- DA+                                                                                                 |
| 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 5G1.5                                                                                               |
| 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 <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> |
| Color                              | blue                                                                     |
| 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                          | 1.225 MJ                                                                 |
| Connector color                    | blue                                                                     |
| Strain relief color                | black                                                                    |
| Printing color of strain relief    | white                                                                    |



| Material data                    |              |
|----------------------------------|--------------|
| Sheathed cable color             | black        |
| Printing color of sheathed cable | white        |
| Halogen-free                     | Yes          |
| Silicon-free                     | Yes          |
| Sheath material                  | Halogen-free |
| Rubber cable                     | No           |
| Weight                           | 523.6 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 9.0              | EC002587      |
| ETIM 8.0              | EC002587      |
| PU (SPU)              | 1 pcs         |
| Packaging type        | unpacked      |
| Country of origin     | DE            |
| GTIN                  | 4055143659321 |
| Customs tariff number | 85444290900   |

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

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance  
771-9285/016-301

↓

| Documentation    |            |                 |   |
|------------------|------------|-----------------|---|
| Bid Text         |            |                 |   |
| 771-9285/016-301 | 19.02.2019 | xml<br>3.01 KB  | ↓ |
| 771-9285/016-301 | 01.12.2017 | doc<br>26.00 KB | ↓ |



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.: 897-2005  
Protective cap; Type4; 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