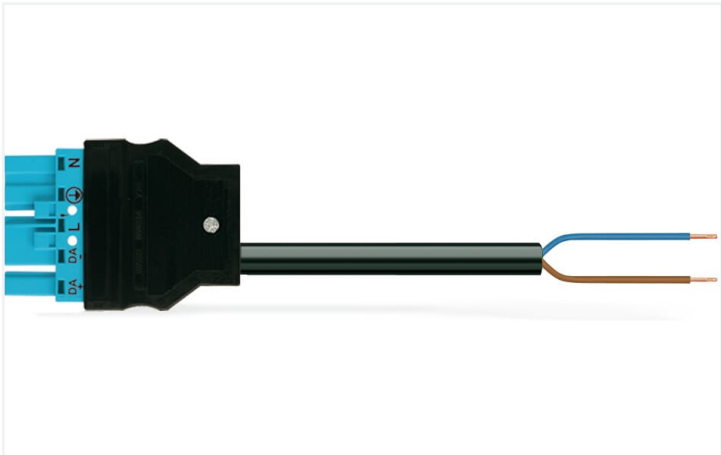
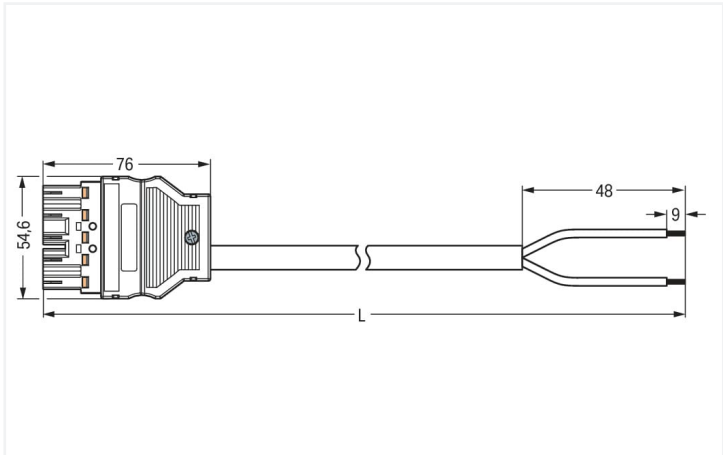




Color: ■ blue



Dimensions in mm

Cable assembly WINSTA® MIDI I coding

Use effective pluggable connections instead of laborious screw connections: With the WINSTA® MIDI cable assembly rated current 16 A. WAGO pluggable installation connectors are used when requirements repeat or are planned on a specified pattern, for example for installing grid lighting or flush-mount lighting. The mechanical coding and color coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismatching. 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!)). Regulated lighting, as used in the DALI standard, for instance, is the primary domain of use of WINSTA® MIDI pluggable installation connectors with I coding. 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, secure, tailored installation. This product meets all the relevant fire protection requirements of fire class E; thus it can be used in areas where fire safety is relevant. In the manufacturing of this cable assembly, we eliminated the use of halogen. This is an important contribution to climate protection.

Pluggable connections instead of screw connections – cable assemblies from WAGO

The cable is pre-assembled with a plug and a free end. The WINSTA® Pluggable Connection System allows pluggable electrical installation. This saves time, lowers costs, and reduces the need for servicing. Choose durability and quality – with protection against mismatching from WAGO makes the electrical installation of electrical components substantially easier.

- protection against mismatching eliminates errors
- simple circuits
- for intelligent, easy lighting installation
- flexible installation to save space
- quick replacement of defective units during ongoing operation

| 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          |  | 16 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 | 2                         | <b>Connection 1</b>             |                    |
| Conductor preparation      | ultrasonically tip-bonded | Strip length                    | 9 mm / 0.35 inches |
|                            |                           | Pole number                     | 5                  |
|                            |                           | Sheathed cable diameter         | 6.8 ... 8.6 mm     |
|                            |                           | Wire cross-section              | 1.5 mm²            |
|                            |                           | Strip length (outer insulation) | 48 mm              |
|                            |                           | Connection type                 | Plug - free end    |

### Physical data

|              |                       |
|--------------|-----------------------|
| Pin spacing  | 10 mm / 0.394 inches  |
| Width        | 54.6 mm / 2.15 inches |
| Height       | 17 mm / 0.669 inches  |
| Total length | 7 m                   |

### Mechanical data

|                                         |                                                                                                               |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Application                             | DALI, Lighting Management                                                                                     |
| Coding                                  | I                                                                                                             |
| Variable coding                         | No                                                                                                            |
| 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                         | Plug - free end                                                                                               |
| Type of pre-assembled cable             | Connecting cable                                                                                              |
| Cable type                              | H05Z1Z1-F 2x1.5                                                                                               |
| 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="https://www.wago.com/us/material-specifications">Information on material specifications can be found here</a> |
| Color                            | blue                                                                                                                   |
| Insulation material              | Polyamide (PA66)                                                                                                       |
| Flammability class per UL94      | V0                                                                                                                     |
| Fire class per EN 50575          | E <sub>ca</sub>                                                                                                        |
| Contact material                 | Copper or copper alloy; surface-treated                                                                                |
| Contact plating                  | Tin                                                                                                                    |
| Fire load                        | 210.495 MJ                                                                                                             |
| Connector color                  | blue                                                                                                                   |
| Strain relief color              | black                                                                                                                  |
| Sheathed cable color             | black                                                                                                                  |
| Printing color of sheathed cable | white                                                                                                                  |
| Halogen-free                     | Yes                                                                                                                    |
| Silicon-free                     | Yes                                                                                                                    |
| Sheath material                  | Halogen-free                                                                                                           |
| Rubber cable                     | No                                                                                                                     |
| Weight                           | 576 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                  | 4055143261463 |
| Customs tariff number | 85444290900   |

## Environmental Product Compliance

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



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance  
771-5001/178-000

↓

Documentation

| Bid Text         |            |                 |   |
|------------------|------------|-----------------|---|
| 771-5001/178-000 | 19.02.2019 | xml<br>3.10 KB  | ↓ |
| 771-5001/178-000 | 09.02.2015 | doc<br>25.50 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.: 770-360**  
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



[Item No.: 210-333](#)  
Marking strips; as a DIN A4 sheet; Strip width 6 mm; Strip length 182 mm; plain; Self-adhesive; white