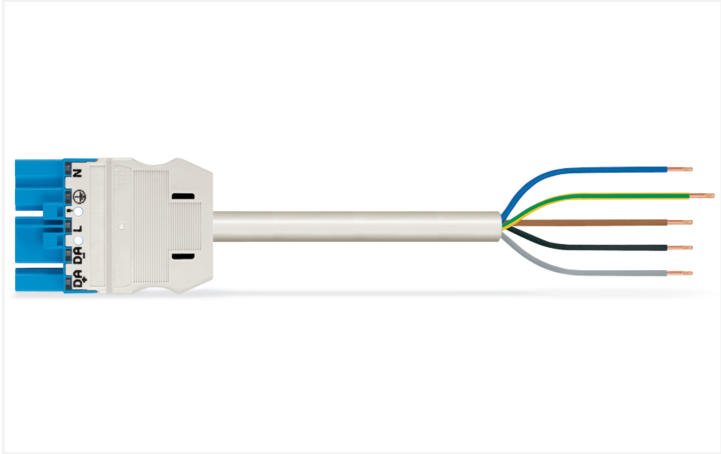
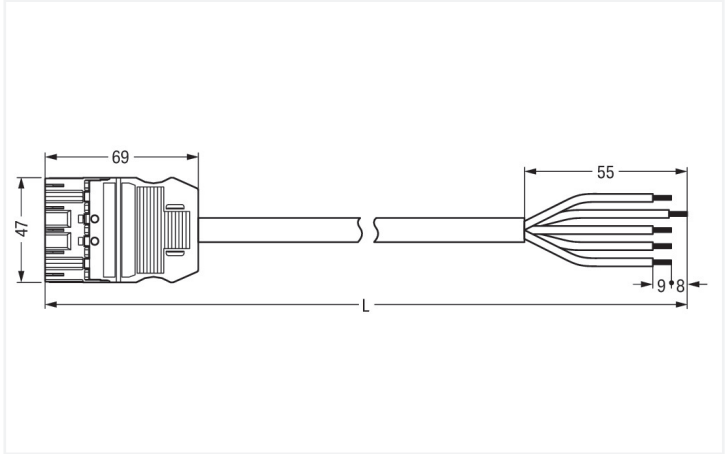




Color: ■ blue



Dimensions in mm

Cable assembly WINSTA® MIDI I coding

For power and signal transmission: The WINSTA® MIDI cable assembly with protection against mismating. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to establish connections according to a huge variety of requirements in no time flat. The mechanical coding and color coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismating. The pluggable installation connector offers touch-proof protection 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!)). WINSTA® MIDI pluggable installation connectors with I coding in blue are above all suitable for lighting management, for instance for the dimming of DALI lights. WINSTA® MIDI with Push-in CAGE CLAMP® spring pressure connection technology is found in a broad range of individual products you can use for quick, easy and maximally flexible installation. This product meets all the mandatory fire protection requirements of fire class E; as a result it can be used in areas where fire safety is relevant. The cable assembly is free of halogen. This eliminates the addition of environmental pollutants during production. It also achieves a higher fire class, since halogen-free materials are flame-resistant.

Fast, secure pluggable connections – cable assemblies from WAGO

A plug and a free end are provided. The WINSTA® Pluggable Connection System is perfectly 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 decreases time spent on assembly and errors during installation at the construction site. Now you can also lower installation costs without compromising quality and safety: with marking reduces the need for servicing and prevents unnecessary downtime.

- protection against mismating eliminates errors
- pre-assembled versions
- with I coding for controlling light (DALI standard)
- exact dimensions
- 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                      |  |
| Overvoltage category |  | III            | III | II | approx. 1 mΩ of contact resistance              |  |
| Pollution degree     |  | 3              | 2   | 2  | approx. 0.25 mΩ contact transition plug/ socket |  |
| Nominal voltage      |  | 400 V          | -   | -  |                                                 |  |
| Rated surge voltage  |  | 6 kV           | -   | -  |                                                 |  |
| Rated current        |  | 16 A           | -   | -  |                                                 |  |

## Connection data

|                            |                           |
|----------------------------|---------------------------|
| Total number of potentials | 5                         |
| PE function                | Preceding PE contact      |
| Conductor preparation      | ultrasonically tip-bonded |

### Connection 1

|                                 |                    |
|---------------------------------|--------------------|
| Strip length                    | 9 mm / 0.35 inches |
| Pole number                     | 5                  |
| Wire cross-section              | 1.5 mm²            |
| Strip length (outer insulation) | 55 mm              |
| Connection type                 | Plug - free end    |

## Physical data

|              |                         |
|--------------|-------------------------|
| Pin spacing  | 10 mm / 0.394 inches    |
| Width        | 47 mm / 1.85 inches     |
| Height       | 15.38 mm / 0.606 inches |
| Total length | 2 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                         | Plug - free end                                                                                               |
| Type of pre-assembled cable             | Connecting 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 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="#">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            | E <sub>ca</sub>                                                          |
| Contact material                   | Copper or copper alloy; surface-treated                                  |
| Contact Plating                    | Tin                                                                      |
| Fire load                          | 60.23 MJ                                                                 |
| Connector color                    | blue                                                                     |
| Strain relief color                | white                                                                    |
| Printing color of strain relief    | black                                                                    |
| Sheathed cable color               | white                                                                    |
| Printing color of sheathed cable   | black                                                                    |
| Halogen-free                       | Yes                                                                      |
| Silicon-free                       | Yes                                                                      |
| Sheath material                    | Halogen-free                                                             |
| Rubber cable                       | No                                                                       |
| Weight                             | 326.6 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                  | 4050821244509 |
| Customs tariff number | 85444290900   |

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

Approvals / Certificates

| General approvals                     |          |                  | Declarations of conformity and manufacturer's declarations |          |                  |
|---------------------------------------|----------|------------------|------------------------------------------------------------|----------|------------------|
|                                       |          |                  | Approval                                                   | Standard | Certificate Name |
| Approval                              | Standard | Certificate Name | EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG    | -        | -                |
| CCA<br>DEKRA Certification B.V.       | EN 61535 | NTR NL-7355      | UK-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG    | -        | -                |
| KEMA/KEUR<br>DEKRA Certification B.V. | EN 61535 | 71-123834        |                                                            |          |                  |



|                                  |                  |  |  |
|----------------------------------|------------------|--|--|
| Downloads                        |                  |  |  |
| Environmental Product Compliance |                  |  |  |
| Compliance Search                |                  |  |  |
| Environmental Product Compliance | 771-9985/216-202 |  |  |

|                  |            |                 |  |
|------------------|------------|-----------------|--|
| Documentation    |            |                 |  |
| Bid Text         |            |                 |  |
| 771-9985/216-202 | 19.02.2019 | xml<br>3.05 KB  |  |
| 771-9985/216-202 | 11.12.2014 | doc<br>26.50 KB |  |

|              |                  |                |                  |
|--------------|------------------|----------------|------------------|
| CAD/CAE-Data |                  |                |                  |
| CAD data     |                  | CAE data       |                  |
| 2D/3D Models | 771-9985/216-202 | WSCAD Universe | 771-9985/216-202 |
|              |                  | ZUKEN Portal   | 771-9985/216-202 |
|              |                  |                |                  |

|                                                                                                   |                                                                                                   |                                                                                                 |                                                                                                 |
|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| 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.: 770-360</a><br>Lockout cap; for plugs; 5-pole; separable; yellow | <a href="#">Item No.: 897-2005</a><br>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