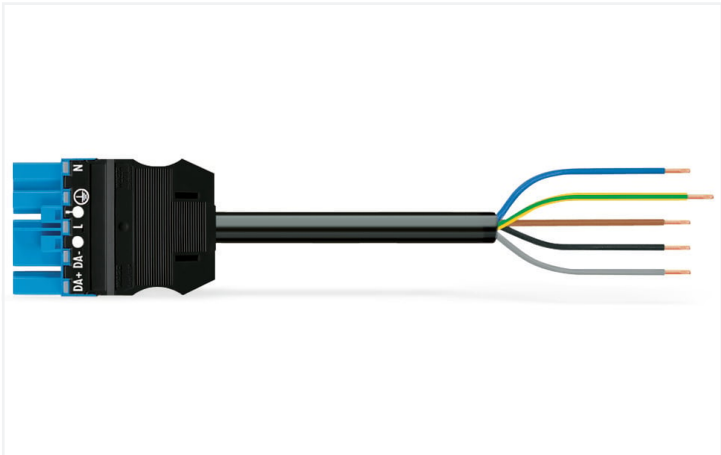
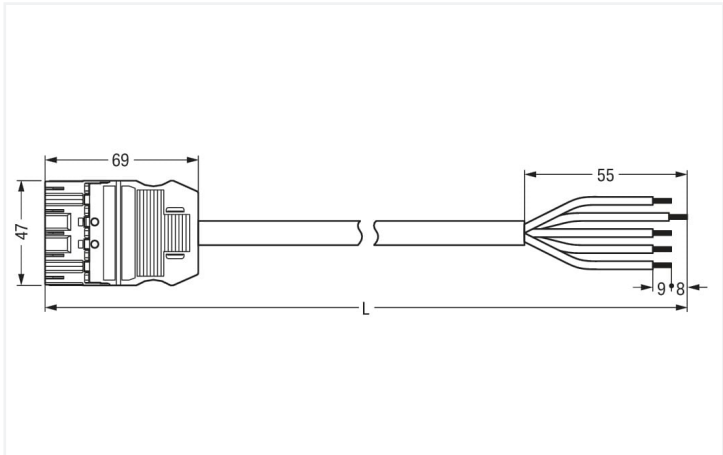




Color: ■ blue



Dimensions in mm

Cable assembly WINSTA® MIDI rated current 16 A

The WINSTA® MIDI cable assembly 5-pole is the pluggable solution for your application in control cabinets, on PCBs or for lighting connections. WAGO pluggable installation connectors can be used when specifications repeat or are distributed on a specific grid, for example for installing grid lighting or flush-mount lighting. The coding options reduce installation errors, allowing fast, maintenance-free wiring of all components. 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 equipment, as implemented with the DALI standard, for example, is the main use of WINSTA® MIDI pluggable installation connectors with I coding. The WINSTA® MIDI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology facilitates safe electrification. Due to the integrated test slot, connections can be checked even when they are plugged in. That saves time and reduces installation labor and expense. According to the European CPR, the fire class of the cables used in construction is critical for building safety, too. For houses with average safety requirements, cable assemblies with fire class E are suitable.

Fast, secure pluggable connections – cable assemblies from WAGO

The cable assembly is provided with a plug and a free end. WINSTA® is the pluggable connection system that is ideally tailored to the strict requirements of electrical installation. It ensures error-free installation of cables and components, quickly and reliably. Choose quality and durability – with protection type IP20 from WAGO makes the electrical installation of electrical components noticeably easier.

- pluggable installation connectors with protection against mismatching
- pre-assembled versions
- for intelligent, easy lighting installation
- 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                      |  |
| 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                         | <b>Connection 1</b>             |
| PE function                     | Preceding PE contact      |                                 |
| Conductor preparation           | ultrasonically tip-bonded |                                 |
| Strip length                    | 9 mm / 0.35 inches        |                                 |
| Pole number                     | 5                         |                                 |
| Sheathed cable diameter         | 9.3 ... 11.6 mm           |                                 |
| Wire cross-section              | 1.5 mm²                   | Strip length (outer insulation) |
| 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  | 4 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                              | H05VV-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                          | 120.233 MJ                                                               |
| Connector color                    | blue                                                                     |
| Strain relief color                | black                                                                    |
| Printing color of strain relief    | white                                                                    |
| Sheathed cable color               | black                                                                    |
| Printing color of sheathed cable   | white                                                                    |
| Halogen-free                       | No                                                                       |
| Silicon-free                       | Yes                                                                      |
| Sheath material                    | PVC                                                                      |
| Rubber cable                       | No                                                                       |
| Weight                             | 640 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                  | 4045454001704 |
| 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  
771-9985/206-401

↓

Documentation

| Bid Text         |            |                 |   |
|------------------|------------|-----------------|---|
| 771-9985/206-401 | 19.02.2019 | xml<br>3.03 KB  | ↓ |
| 771-9985/206-401 | 11.12.2014 | doc<br>26.50 KB | ↓ |

CAD/CAE-Data

| CAD data                         | CAE data                           |
|----------------------------------|------------------------------------|
| 2D/3D Models<br>771-9985/206-401 | WSCAD Universe<br>771-9985/206-401 |
| ↓                                | ↓                                  |
|                                  | ZUKEN Portal<br>771-9985/206-401   |
|                                  | ↓                                  |

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



[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