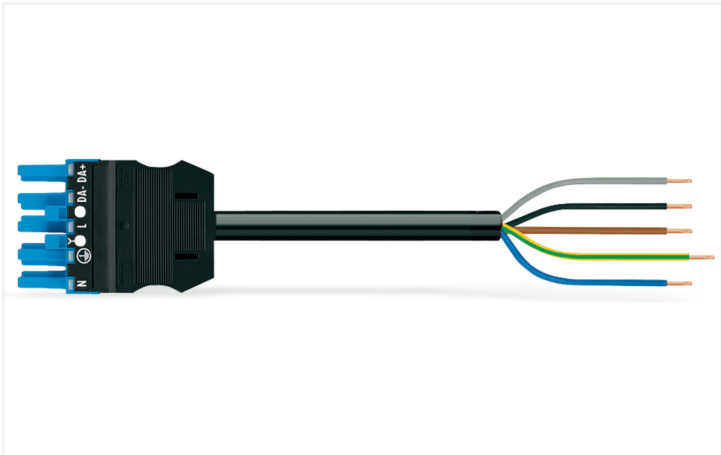




Color: ■ blue



Dimensions in mm

Cable assembly WINSTA® MIDI rated current 16 A

The WINSTA® MIDI cable assembly with protection type IP20 is the pluggable solution for your application in control cabinets, for lighting connections or on PCBs. On PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to make connections according to many different requirements in no time flat. 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!)). That results in the fact that users' fingers will never come into contact with live elements. Controlled lighting equipment, as used with the DALI standard, for instance, is the main application of WINSTA® MIDI pluggable installation connectors with I coding. WINSTA® MIDI with Push-in CAGE CLAMP® spring pressure connection technology is used in can be found in a variety of projects you can use for quick, easy and maximally flexible installation. Building safety must be ensured at all times, even after the electrical installation stage. The required safety requirements in connection with EU CPR are fully satisfied by this product through fire class E.

Pluggable connections instead of screw connections – cable assemblies from WAGO

The cable assembly is equipped with a socket and a free end. The WINSTA® Pluggable Connection System allows pluggable electrical installation. This saves time, lowers costs, and reduces the need for servicing. Now you can also reduce installation costs without compromising safety and quality: with fire class E eliminates the need for servicing and prevents unnecessary downtime.

- pluggable installation connectors with protection against mismating
- simple circuits
- with I coding for lighting control (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                         | <b>Connection 1</b>             |                    |
| PE function                | Preceding PE contact      |                                 |                    |
| Conductor preparation      | ultrasonically tip-bonded |                                 |                    |
|                            |                           |                                 |                    |
|                            |                           |                                 |                    |
|                            |                           | Strip length                    | 9 mm / 0.35 inches |
|                            |                           | Pole number                     | 5                  |
|                            |                           | Wire cross-section              | 1.5 mm²            |
|                            |                           | Strip length (outer insulation) | 55 mm              |
|                            |                           | Connection type                 | Socket - 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  |  | 1 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 - 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                          | 30.206 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                             | 183.3 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                  | 4044918945318 |
| 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                                           |
| CCA<br>DEKRA Certification B.V.       | EN 61535 | NTR NL-7355                                                |
| KEMA/KEUR<br>DEKRA Certification B.V. | EN 61535 | 71-123834                                                  |
|                                       |          | EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG    |
|                                       |          | UK-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG    |



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Environmental Product Compliance

Compliance Search

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771-9985/106-101

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Documentation

Bid Text

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19.02.2019

xml  
3.03 KB

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771-9985/106-101

11.12.2014

doc  
26.50 KB

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CAD/CAE-Data

CAD data

2D/3D Models  
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CAE data

WSCAD Universe  
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↓

ZUKEN Portal  
771-9985/106-101

↓

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.: 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