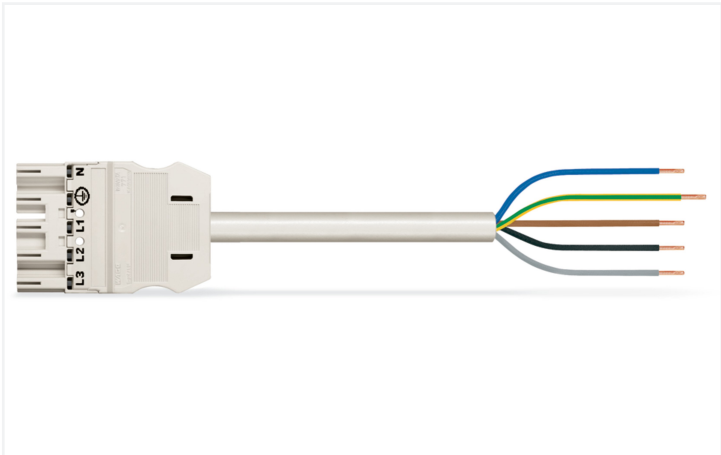




Color:   white



Dimensions in mm

Cable assembly *WINSTA*® MIDI rated current 16 A

For signal and power transmission: The *WINSTA*® MIDI cable assembly A coding. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to make 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!)). That results in the fact that users' fingers will never come into contact with live contact elements. Thanks to the color coding and mechanical A coding of *WINSTA*® MIDI pluggable installation connectors, you can clearly distinguish different circuits. The *WINSTA*® MIDI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology facilitates precise electrification. Due to the integrated test slot, it is possible to check connections even when they are plugged in. That saves time and reduces installation labor and expense. This product meets all the mandatory fire protection requirements of fire class E; therefore it can be used in areas where fire safety is relevant.

Fast, secure pluggable connections – cable assemblies from WAGO

The cable is pre-assembled with a plug and a free end. The *WINSTA*® Pluggable Connection System is perfectly tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and therefore more efficient, even more reliable, and error-free. Use of this pre-assembled system decreases assembly times and errors during installation at the construction site. Enjoy the benefits of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with marking from WAGO.

- pluggable installation connectors with protection against mismatching
- simple circuits
- with A coding for use in many general mains applications
- flexible installation to save space
- rapid, structured electrical installation

| 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 mm <sup>2</sup> |
| 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 | 7 m                     |

## Mechanical data

|                                         |                                                                                                               |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Use                                     | General mains applications                                                                                    |
| Coding                                  | A                                                                                                             |
| Variable coding                         | Yes                                                                                                           |
| Marking                                 | N ⊕ L1 L2 L3                                                                                                  |
| Potential marking                       | N ⊕ L1 L2 L3                                                                                                  |
| 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                              | white                                                                    |
| Insulation material (main housing) | Polyamide (PA66)                                                         |
| Fire class per EN 50575            | E <sub>ca</sub>                                                          |
| Contact material                   | Copper or copper alloy; surface-treated                                  |
| Contact Plating                    | Tin                                                                      |
| Fire load                          | 210.185 MJ                                                               |
| Connector color                    | white                                                                    |
| Strain relief color                | white                                                                    |
| Printing color of strain relief    | black                                                                    |
| Sheathed cable color               | white                                                                    |
| Printing color of sheathed cable   | black                                                                    |
| Halogen-free                       | No                                                                       |
| Silicon-free                       | Yes                                                                      |
| Sheath material                    | PVC                                                                      |
| Rubber cable                       | No                                                                       |
| Weight                             | 1104.2 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       |               |
|-----------------------|---------------|
| Product Group         | 20 (Winsta)   |
| 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                  | 4044918275668 |
| 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    |



|                                  |                  |  |  |
|----------------------------------|------------------|--|--|
| Downloads                        |                  |  |  |
| Environmental Product Compliance |                  |  |  |
| Compliance Search                |                  |  |  |
| Environmental Product Compliance | 771-9995/206-702 |  |  |

|                  |            |                 |  |
|------------------|------------|-----------------|--|
| Documentation    |            |                 |  |
| Bid Text         |            |                 |  |
| 771-9995/206-702 | 19.02.2019 | xml<br>2.97 KB  |  |
| 771-9995/206-702 | 10.12.2014 | doc<br>25.00 KB |  |

|              |                  |                   |                  |
|--------------|------------------|-------------------|------------------|
| CAD/CAE-Data |                  |                   |                  |
| CAD data     |                  | CAE data          |                  |
| 2D/3D Models | 771-9995/206-702 | EPLAN Data Portal | 771-9995/206-702 |
|              |                  |                   |                  |
|              |                  | WSCAD Universe    | 771-9995/206-702 |
|              |                  |                   |                  |
|              |                  | ZUKEN Portal      | 771-9995/206-702 |
|              |                  |                   |                  |

|                                                                                                   |                                                                                                   |                                                                                                 |                                                                                                 |
|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| 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