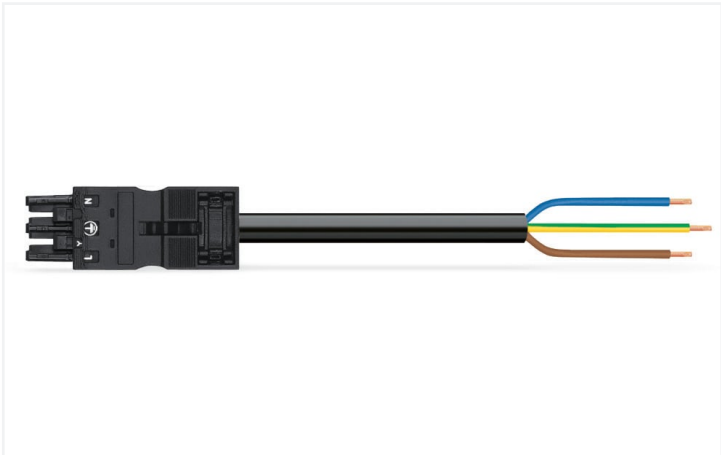
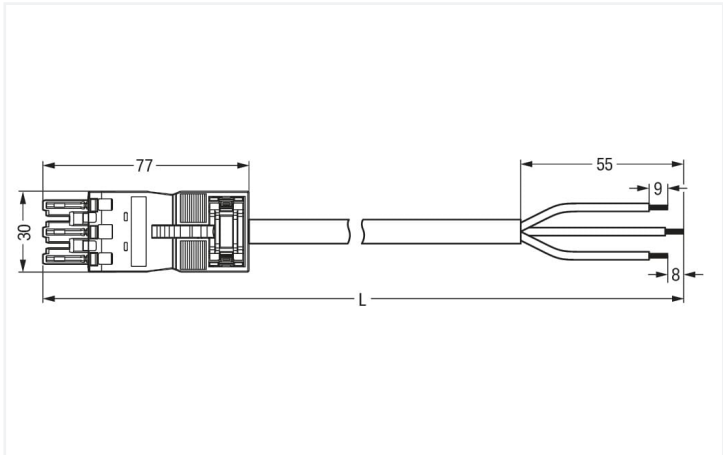




Color:   white

Similar to illustration



Dimensions in mm

Cable assembly WINSTA® MIDI A coding

The WINSTA® MIDI cable assembly rated current 16 A 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 establish connections according to a huge variety of requirements in no time flat. The color coding and mechanical coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismating. The WINSTA® MIDI pluggable installation connector with A coding in white or black is normally used for general mains applications in power distribution. The WINSTA® MIDI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology facilitates exemplary 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 costs. This product meets all the relevant safety requirements of fire class E; therefore it can be used in areas where fire safety is relevant. Not using halogen additives in the manufacture of this cable assembly noticeably improves fire safety and minimises environmental pollution.

Pluggable connections instead of screw connections – cable assemblies from WAGO

The cable is pre-assembled with a socket and a free end. WINSTA® is the pluggable connection system that is optimally tailored to the strict requirements of electrical installation. It ensures error-free installation of cables and components, quickly and reliably. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with WINSTA® MIDI pluggable installation connectors with marking from WAGO.

- effective protection against mismating
- pre-assembled versions
- for any mains application
- 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        |       |                                                                                                                                                                                                                                          |    |  |
|------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|--|
| 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 | 3                         | <b>Connection 1</b>             |                    |
| PE function                | Preceding PE contact      | Strip length                    | 9 mm / 0.35 inches |
| Conductor preparation      | ultrasonically tip-bonded | Pole number                     | 3                  |
|                            |                           | Sheathed cable diameter         | 7.4 ... 9.4 mm     |
|                            |                           | 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        | 30 mm / 1.181 inches   |
| Height       | 12.9 mm / 0.508 inches |
| Total length | 7 m                    |

### Mechanical data

|                                         |                                                                                                                |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Application                             | General mains applications                                                                                     |
| Coding                                  | A                                                                                                              |
| Variable coding                         | Yes                                                                                                            |
| Marking                                 | L N                                                                                                            |
| Potential marking                       | L N                                                                                                            |
| 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                              | H05Z1Z1-F 3G1.5                                                                                                |
| Protection type                         | IP2XD; 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                            | white                                                                                                                  |
| Insulation material              | Polyamide (PA66)                                                                                                       |
| Fire class per EN 50575          | E <sub>ca</sub>                                                                                                        |
| Contact material                 | Copper or copper alloy; surface-treated                                                                                |
| Contact plating                  | Tin                                                                                                                    |
| Fire load                        | 210.008 MJ                                                                                                             |
| Connector color                  | white                                                                                                                  |
| Strain relief color              | white                                                                                                                  |
| Sheathed cable color             | white                                                                                                                  |
| Printing color of sheathed cable | black                                                                                                                  |
| Halogen-free                     | Yes                                                                                                                    |
| Silicon-free                     | Yes                                                                                                                    |
| Sheath material                  | Halogen-free                                                                                                           |
| Rubber cable                     | No                                                                                                                     |
| Weight                           | 699 g                                                                                                                  |
| Copper weight of the pipe        | 0.043 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                  | 4055143488655 |
| 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.                         | IEC 61535 | NTR NL-7355                                                |
| KEMA/KEUR<br>DEKRA Certification B.V.                   | EN 61535  | 71-123834                                                  |
|                                                         |           |                                                            |
| Approval                                                | Standard  | Certificate Name                                           |
| 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 |  |  | ↓ |
| 771-6993/116-702                 |  |  |   |

Documentation

|                  |            |                 |   |
|------------------|------------|-----------------|---|
| Bid Text         |            |                 |   |
| 771-6993/116-702 | 19.02.2019 | xml<br>3.06 KB  | ↓ |
| 771-6993/116-702 | 14.01.2015 | doc<br>26.00 KB | ↓ |

CAD/CAE-Data

|                   |  |  |   |
|-------------------|--|--|---|
| CAE data          |  |  |   |
| EPLAN Data Portal |  |  | ↓ |
| 771-6993/116-702  |  |  |   |
| WSCAD Universe    |  |  | ↓ |
| 771-6993/116-702  |  |  |   |

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

## 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 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