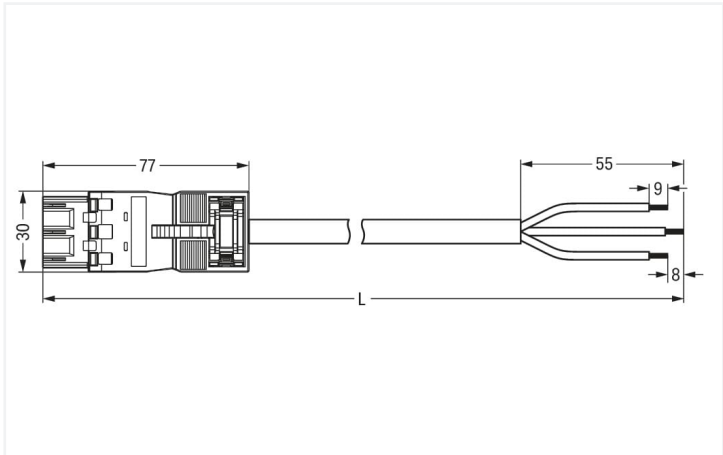




Color: white

Similar to illustration



Dimensions in mm

Cable assembly WINSTA® MIDI rated current 20 A

For power and signal transmission: The WINSTA® MIDI cable assembly rated current 20 A. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to establish connections according to many different requirements in seconds. The mechanical coding and color 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 black or white is normally used for general mains applications in power distribution. This pluggable installation connector can be used for electrical currents up to 20 A. Thus the product is ideally suitable for high power loads. 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 electrical installation. Building safety must be ensured at all times, even after the electrical installation stage. The mandatory safety requirements in connection with EU CPR are met by this product through fire class E.

Pluggable connections instead of screw connections – cable assemblies from WAGO

A plug and a free end are provided. WINSTA® is the pluggable connection system that is ideally tailored to the strict requirements of electrical installation. It ensures fast, secure and, above all, error-free installation of components and cables. Choose quality and durability – the WINSTA® MIDI pluggable installation connector with marking from WAGO makes the installation of electrical components noticeably easier.

- effective protection against mismating
- simple circuits
- with A coding for use in a large number of general mains applications
- custom-engineered solutions
- 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 UL 1977    |                                                                                                                                                                                                                                          |
|----------------------|-------|----------------|-----|----|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ratings per          |       | IEC/EN 60664-1 |     |    | Ratings per UL 1977    |                                                                                                                                                                                                                                          |
| Overvoltage category |       | III            | III | II | 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. |
| Pollution degree     |       | 3              | 2   | 2  |                        |                                                                                                                                                                                                                                          |
| Nominal voltage      | 250 V | -              | -   | -  |                        |                                                                                                                                                                                                                                          |
| Rated surge voltage  | 4 kV  | -              | -   | -  |                        |                                                                                                                                                                                                                                          |
| Rated current        | 20 A  | -              | -   | -  |                        |                                                                                                                                                                                                                                          |

### 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         | 9.2 ... 11.4 mm    |
|                            |                           | Wire cross-section              | 2.5 mm²            |
|                            |                           | Strip length (outer insulation) | 55 mm              |
|                            |                           | Connection type                 | Plug - 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 | 1 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                         | Plug - free end                                                                                                |
| Type of pre-assembled cable             | Connecting cable                                                                                               |
| Cable type                              | H05VV-F 3G2.5                                                                                                  |
| 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                        | 30.041 MJ                                                                                                              |
| Connector color                  | white                                                                                                                  |
| Strain relief color              | white                                                                                                                  |
| Sheathed cable color             | white                                                                                                                  |
| Printing color of sheathed cable | black                                                                                                                  |
| Halogen-free                     | No                                                                                                                     |
| Silicon-free                     | Yes                                                                                                                    |
| Sheath material                  | PVC                                                                                                                    |
| Rubber cable                     | No                                                                                                                     |
| Weight                           | 174.7 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                  | 4055143492775 |
| 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-7972                                                |
| 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

771-6993/207-102

↓

Documentation

Bid Text

|                  |            |                 |   |
|------------------|------------|-----------------|---|
| 771-6993/207-102 | 19.02.2019 | xml<br>3.04 KB  | ↓ |
| 771-6993/207-102 | 14.01.2015 | doc<br>26.50 KB | ↓ |

CAD/CAE-Data

CAE data

EPLAN Data Portal  
771-6993/207-102

↓

WSCAD Universe  
771-6993/207-102

↓

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

## 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