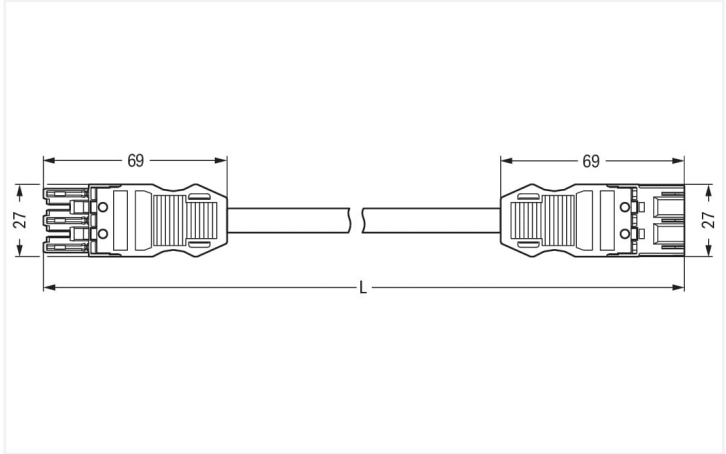




Color: ■ red



Dimensions in mm

Cable assembly WINSTA® MIDI with protection type IP20

The WINSTA® MIDI cable assembly with protection type IP20 provides the foundation for assembly of solid and fine-stranded conductors. The pluggable installation connectors with spring pressure connection technology function entirely without screw connections. They allow flexible, error-free installation in a large number of possible uses. The mechanical coding and color coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismatching. 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!)). WINSTA® MIDI pluggable installation connectors with P coding allow error-free implementation of an uninterruptible power supply (UPS). This pluggable installation connector is designed for a load of up to 20 A. Therefore, it can also be used for high power loads. The WINSTA® MIDI product line offers total flexibility for the installation of applications. With its Push-in CAGE CLAMP® spring pressure connection technology, it achieves error-free, time-saving installation and offers customization and flexibility for meeting various installation requirements. This product meets all the mandatory safety requirements of fire class E; therefore it can be used in areas where fire safety is relevant.

Fast, error-free assembly thanks to cable assemblies from WAGO

The cable is pre-assembled with a socket and a plug. The WINSTA® Pluggable Connection System allows pluggable electrical installation. This saves time, lowers costs, and reduces the need for servicing. Choose durability and quality – with fire class E from WAGO makes the installation of electrical components noticeably easier.

- effective protection against mismatching
- pre-assembled versions
- with P coding for use in realising an uninterruptible power supply
- exact dimensions
- fast, secure 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      | 250 V | -              | -   | -  |                                                 |  |
| Rated surge voltage  | 4 kV  | -              | -   | -  |                                                 |  |
| Rated current        | 20 A  | -              | -   | -  |                                                 |  |



| Connection data                         |                                                                                                                                                                                                                                                                                                                  |                     |               |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------|
| Total number of potentials              | 3                                                                                                                                                                                                                                                                                                                | <b>Connection 1</b> |               |
| PE function                             | Preceding PE contact                                                                                                                                                                                                                                                                                             |                     |               |
|                                         |                                                                                                                                                                                                                                                                                                                  |                     |               |
|                                         |                                                                                                                                                                                                                                                                                                                  |                     |               |
|                                         |                                                                                                                                                                                                                                                                                                                  | Pole number         | 3             |
|                                         |                                                                                                                                                                                                                                                                                                                  | Wire cross-section  | 2.5 mm²       |
|                                         |                                                                                                                                                                                                                                                                                                                  | Connection type     | Socket - Plug |
|                                         |                                                                                                                                                                                                                                                                                                                  |                     |               |
| Physical data                           |                                                                                                                                                                                                                                                                                                                  |                     |               |
| Pin spacing                             | 10 mm / 0.394 inches                                                                                                                                                                                                                                                                                             |                     |               |
| Width                                   | 27 mm / 1.063 inches                                                                                                                                                                                                                                                                                             |                     |               |
| Height                                  | 12.9 mm / 0.508 inches                                                                                                                                                                                                                                                                                           |                     |               |
| Total length                            | 3 m                                                                                                                                                                                                                                                                                                              |                     |               |
| Mechanical data                         |                                                                                                                                                                                                                                                                                                                  |                     |               |
| Use                                     | EDV (UPS)                                                                                                                                                                                                                                                                                                        |                     |               |
| Coding                                  | P                                                                                                                                                                                                                                                                                                                |                     |               |
| Variable coding                         | No                                                                                                                                                                                                                                                                                                               |                     |               |
| 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 - Plug                                                                                                                                                                                                                                                                                                    |                     |               |
| Type of pre-assembled cable             | Interconnecting cable                                                                                                                                                                                                                                                                                            |                     |               |
| Cable type                              | H05VV-F 3G2.5                                                                                                                                                                                                                                                                                                    |                     |               |
| 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                                   | red                                                                                                                                                                                                                                                                                                              |                     |               |
| 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                               | 89.422 MJ                                                                                                                                                                                                                                                                                                        |                     |               |
| Connector color                         | red                                                                                                                                                                                                                                                                                                              |                     |               |
| Strain relief color                     | black                                                                                                                                                                                                                                                                                                            |                     |               |
| Printing color of strain relief         | white                                                                                                                                                                                                                                                                                                            |                     |               |
| Sheathed cable color                    | black                                                                                                                                                                                                                                                                                                            |                     |               |



| Material data                    |            |
|----------------------------------|------------|
| Printing color of sheathed cable | white      |
| Halogen-free                     | No         |
| Silicon-free                     | Yes        |
| Sheath material                  | PVC        |
| Rubber cable                     | No         |
| Weight                           | 495.7 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 9.0              | EC002587      |
| ETIM 8.0              | EC002587      |
| PU (SPU)              | 1 pcs         |
| Packaging type        | unpacked      |
| Country of origin     | DE            |
| GTIN                  | 4045454402020 |
| Customs tariff number | 85444290900   |

| Environmental Product Compliance |                        |
|----------------------------------|------------------------|
| RoHS Compliance Status           | Compliant,No Exemption |

| Approvals / Certificates                                     |          |                                                            |
|--------------------------------------------------------------|----------|------------------------------------------------------------|
| General approvals                                            |          | Declarations of conformity and manufacturer's declarations |
| <div><div><div>CCA</div><div>KEMA<br/>KEUR</div></div></div> |          |                                                            |
| 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 |  |  | ↓ |
| 771-9973/007-301                 |  |  |   |

Documentation

|                  |            |                 |   |
|------------------|------------|-----------------|---|
| Bid Text         |            |                 |   |
| 771-9973/007-301 | 19.02.2019 | xml<br>2.91 KB  | ↓ |
| 771-9973/007-301 | 04.12.2014 | doc<br>24.50 KB | ↓ |

CAD/CAE-Data

|                  |  |  |   |
|------------------|--|--|---|
| CAE data         |  |  |   |
| WSCAD Universe   |  |  | ↓ |
| 771-9973/007-301 |  |  |   |

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.: 770-360  
Lockout cap; for plugs; 5-pole; separable; yellow



Item No.: 897-2003  
Protective cap; Type2; 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