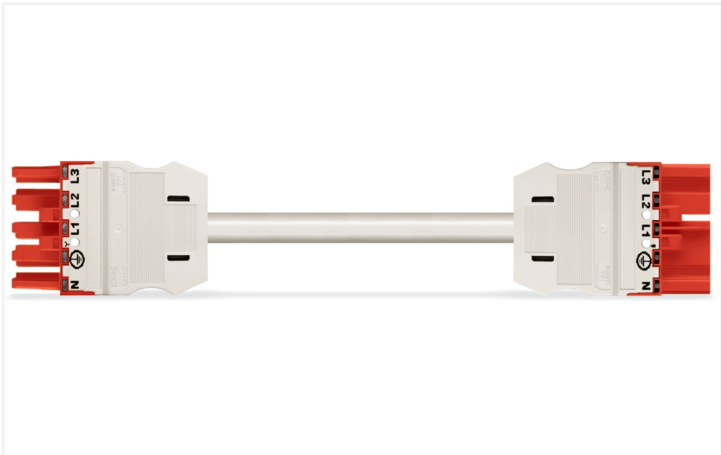
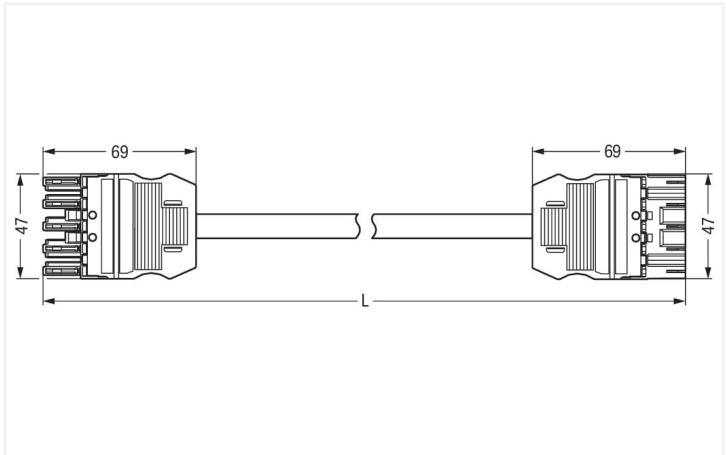




Color: ■ red



Dimensions in mm

Cable assembly WINSTA® MIDI with strain relief

For signal and power transmission: The WINSTA® MIDI cable assembly with protection type IP20. WAGO pluggable installation connectors are useful when specifications repeat or are planned on a specified pattern, for example for installing grid lighting or flush-mount lighting. The coding options reduce installation errors, allowing fast, secure wiring of all components. 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!)). UPS applications for IT technology frequently use the red WINSTA® MIDI pluggable installation connectors with P coding. Important parameters in the selection of a pluggable installation connector are the rated current and voltage: They provide information about possible domains of use and applications. This product has a current rating of 20 A – as a result it is also suitable for high power loads. Our WINSTA® MIDI product line guarantees flexibility for the installation. With its Push-in CAGE CLAMP® spring pressure connection technology, it ensures error-free, time-saving installation and offers customization and flexibility for meeting various installation requirements. Of course, the safety of buildings must always be ensured, even after the electrical installation has been performed. 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

A socket and a plug are available. The WINSTA® Pluggable Connection System is ideally tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and consequently faster, even more reliable, and error-free. Using this pre-assembled system decreases assembly times and errors during installation at the construction site. Now you can also lower installation costs without compromising safety and quality: with protection against mismatching reduces the need for servicing and prevents unnecessary downtime.

- pluggable installation connectors with protection against mismatching
- for automation controllers
- with P coding for use in realising an uninterruptible power supply
- custom-engineered solutions
- convenient installation and commissioning

| 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        | 20 A  | -              | -  |                                                 |  |



| Connection data                         |                      |                                                                                                                                                                                                                                                                                                                  |               |
|-----------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Total number of potentials              | 5                    | <b>Connection 1</b>                                                                                                                                                                                                                                                                                              |               |
| PE function                             | Preceding PE contact |                                                                                                                                                                                                                                                                                                                  |               |
|                                         |                      |                                                                                                                                                                                                                                                                                                                  |               |
|                                         |                      |                                                                                                                                                                                                                                                                                                                  |               |
|                                         |                      | Pole number                                                                                                                                                                                                                                                                                                      | 5             |
|                                         |                      | Wire cross-section                                                                                                                                                                                                                                                                                               | 2.5 mm²       |
|                                         |                      | Connection type                                                                                                                                                                                                                                                                                                  | Socket - Plug |
|                                         |                      |                                                                                                                                                                                                                                                                                                                  |               |
| 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                                     |                      | EDV (UPS)                                                                                                                                                                                                                                                                                                        |               |
| Coding                                  |                      | P                                                                                                                                                                                                                                                                                                                |               |
| Variable coding                         |                      | No                                                                                                                                                                                                                                                                                                               |               |
| 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                         |                      | Socket - Plug                                                                                                                                                                                                                                                                                                    |               |
| Type of pre-assembled cable             |                      | Interconnecting cable                                                                                                                                                                                                                                                                                            |               |
| Cable type                              |                      | H05VV-F 5G2.5                                                                                                                                                                                                                                                                                                    |               |
| 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                               |                      | 30.268 MJ                                                                                                                                                                                                                                                                                                        |               |
| Connector color                         |                      | red                                                                                                                                                                                                                                                                                                              |               |
| Strain relief color                     |                      | white                                                                                                                                                                                                                                                                                                            |               |
| Printing color of strain relief         |                      | black                                                                                                                                                                                                                                                                                                            |               |
| Sheathed cable color                    |                      | white                                                                                                                                                                                                                                                                                                            |               |



| Material data                    |           |
|----------------------------------|-----------|
| Printing color of sheathed cable | black     |
| Halogen-free                     | No        |
| Silicon-free                     | Yes       |
| Sheath material                  | PVC       |
| Rubber cable                     | No        |
| Weight                           | 278.3 g   |
| Copper weight of the pipe        | 0.12 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                  | 4050821204800 |
| 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 |  |  | ↓ |
| 771-9975/007-102                 |  |  |   |

Documentation

|                  |            |                 |   |
|------------------|------------|-----------------|---|
| Bid Text         |            |                 |   |
| 771-9975/007-102 | 19.02.2019 | xml<br>2.90 KB  | ↓ |
| 771-9975/007-102 | 10.12.2014 | doc<br>25.50 KB | ↓ |

CAD/CAE-Data

|                  |   |
|------------------|---|
| CAE data         |   |
| WSCAD Universe   | ↓ |
| 771-9975/007-102 |   |

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.: 770-201**  
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.: 897-2005**  
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