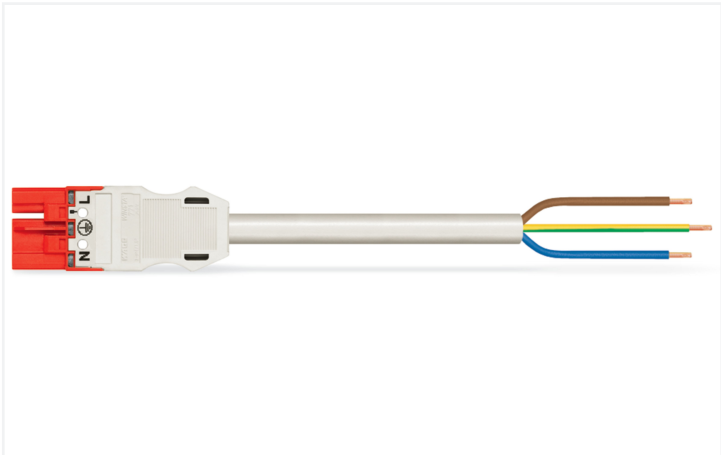
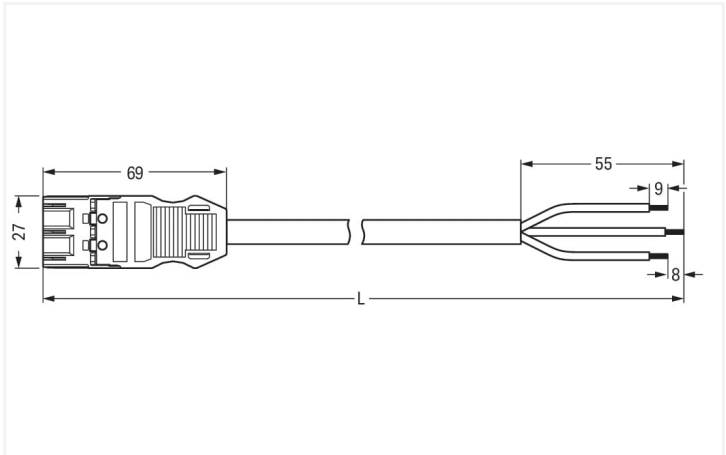




Color: ■ red



Dimensions in mm

Cable assembly WINSTA® MIDI P coding

The WINSTA® MIDI cable assembly P coding allows assembly of fine-stranded and solid conductors. WAGO pluggable installation connectors can be used when requirements repeat or are planned on a specific 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 is protected against ingress by solid objects in accordance with protection type IP20 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). UPS applications in information technology (IT) mostly 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 – therefore it is also suitable for robust loads. The WINSTA® MIDI product line offers flexibility for the installation of applications. With its Push-in CAGE CLAMP® spring pressure connection technology, it guarantees error-free, time-saving installation and offers customization for meeting an enormous variety of installation requirements. According to the European CPR, the fire class of the cables used for construction is decisive for building safety as well. For houses with average safety requirements, cable assemblies with fire class E are suitable.

Fast, secure pluggable connections – cable assemblies from WAGO

The cable assembly is equipped with a plug and a free end. The WINSTA® Pluggable Connection System is ideally tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and therefore faster, more reliable, and error-free. Use of this pre-assembled system decreases time spent on assembly and installation errors at the construction site. Now you can also cut installation expenses without compromising safety and quality: with marking eliminates the need for servicing and prevents unnecessary downtime.

- protection against mismatching eliminates errors
- pre-assembled versions
- with P coding for use in implementing 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 | approx. 1 mΩ of contact resistance<br>approx. 0.25 mΩ contact transition plug/<br>socket |
| Overvoltage category |  | III            | III | II |                            |                                                                                          |
| Pollution degree     |  | 3              | 2   | 2  |                            |                                                                                          |
| Nominal voltage      |  | 250 V          | -   | -  |                            |                                                                                          |
| Rated surge voltage  |  | 4 kV           | -   | -  |                            |                                                                                          |
| Rated current        |  | 20 A           | -   | -  |                            |                                                                                          |

## Connection data

|                            |                           |
|----------------------------|---------------------------|
| Total number of potentials | 3                         |
| PE function                | Preceding PE contact      |
| Conductor preparation      | ultrasonically tip-bonded |

### Connection 1

|                                 |                    |
|---------------------------------|--------------------|
| Strip length                    | 9 mm / 0.35 inches |
| Pole number                     | 3                  |
| 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        | 27 mm / 1.063 inches   |
| Height       | 12.9 mm / 0.508 inches |
| Total length | 5 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                         | Plug - free end                                                                                               |
| Type of pre-assembled cable             | Connecting 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                          | 149.145 MJ                              |                                                                          |
| Connector color                    | red                                     |                                                                          |
| Strain relief color                | white                                   |                                                                          |
| Printing color of strain relief    | black                                   |                                                                          |
| Sheathed cable color               | white                                   |                                                                          |
| Printing color of sheathed cable   | black                                   |                                                                          |
| Halogen-free                       | No                                      |                                                                          |
| Silicon-free                       | Yes                                     |                                                                          |
| Sheath material                    | PVC                                     |                                                                          |
| Rubber cable                       | No                                      |                                                                          |
| Weight                             | 800.3 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                  | 4045454523497 |  |
| 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 |  |  | ↓ |
| 771-9973/207-502                 |  |  |   |

Documentation

|                  |            |                 |   |
|------------------|------------|-----------------|---|
| Bid Text         |            |                 |   |
| 771-9973/207-502 | 19.02.2019 | xml<br>2.98 KB  | ↓ |
| 771-9973/207-502 | 05.12.2014 | doc<br>26.50 KB | ↓ |

CAD/CAE-Data

|                  |  |  |   |
|------------------|--|--|---|
| CAE data         |  |  |   |
| WSCAD Universe   |  |  | ↓ |
| 771-9973/207-502 |  |  |   |

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



[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