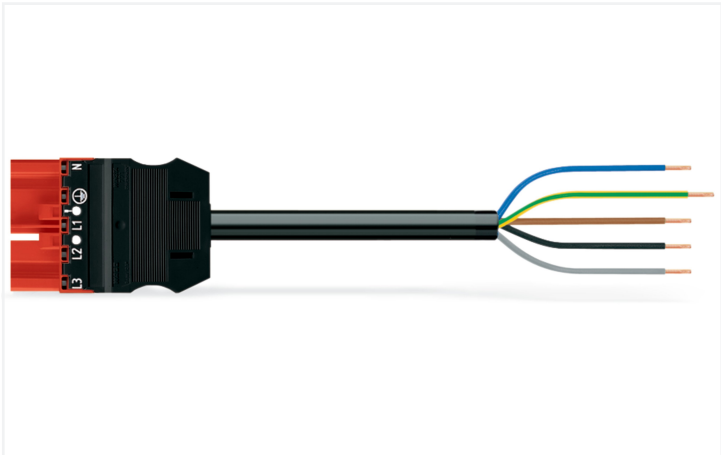




Color: ■ red



Dimensions in mm

Cable assembly WINSTA® MIDI with protection against mismating

The WINSTA® MIDI cable assembly 5-pole is the pluggable solution for your application in control cabinets, for lighting connections or on PCBs. WAGO pluggable installation connectors can be used when requirements repeat or are distributed on a specific pattern, for example for installing grid lighting or flush-mount lighting. The mechanical coding and color coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismating. 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 zero-defect implementation of an fault-free power supply (UPS). 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 used in a broad range of individual products you can use for quick, easy, flexible, and secure electrical installation. This product meets all the mandatory safety requirements of fire class E; thus it can be used in domains where fire safety is relevant.

Fast, secure pluggable connections – cable assemblies from WAGO

The cable assembly is provided with a plug and a free end. WINSTA® is the pluggable connection system that is optimally tailored to the strict requirements of electrical installation. It ensures error-free installation of cables and components, quickly and reliably. Choose quality and durability – with fire class E from WAGO makes the electrical installation of electrical components significantly easier.

- protection against mismating eliminates errors
- simple circuits
- with P coding for fault-free power supply
- custom-engineered solutions
- 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      | 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      |                                 |                    |
| Conductor preparation      | ultrasonically tip-bonded |                                 |                    |
|                            |                           |                                 |                    |
|                            |                           |                                 |                    |
|                            |                           | Strip length                    | 9 mm / 0.35 inches |
|                            |                           | Pole number                     | 5                  |
|                            |                           | 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         |  | 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                         |  | Plug - free end                                                                                               |
| Type of pre-assembled cable             |  | Connecting 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                          | 30.18 MJ                                |                                                                          |
| Connector color                    | red                                     |                                                                          |
| Strain relief color                | black                                   |                                                                          |
| Printing color of strain relief    | white                                   |                                                                          |
| Sheathed cable color               | black                                   |                                                                          |
| Printing color of sheathed cable   | white                                   |                                                                          |
| Halogen-free                       | No                                      |                                                                          |
| Silicon-free                       | Yes                                     |                                                                          |
| Sheath material                    | PVC                                     |                                                                          |
| Rubber cable                       | No                                      |                                                                          |
| Weight                             | 260.7 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                  | 4045454433376 |  |
| 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 |  |  | ↓ |
| 771-9975/207-101                 |  |  |   |

Documentation

|                  |            |                 |   |
|------------------|------------|-----------------|---|
| Bid Text         |            |                 |   |
| 771-9975/207-101 | 19.02.2019 | xml<br>2.98 KB  | ↓ |
| 771-9975/207-101 | 11.12.2014 | doc<br>26.50 KB | ↓ |

CAD/CAE-Data

|                  |  |  |   |
|------------------|--|--|---|
| CAE data         |  |  |   |
| WSCAD Universe   |  |  | ↓ |
| 771-9975/207-101 |  |  |   |

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.: 897-2005**  
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