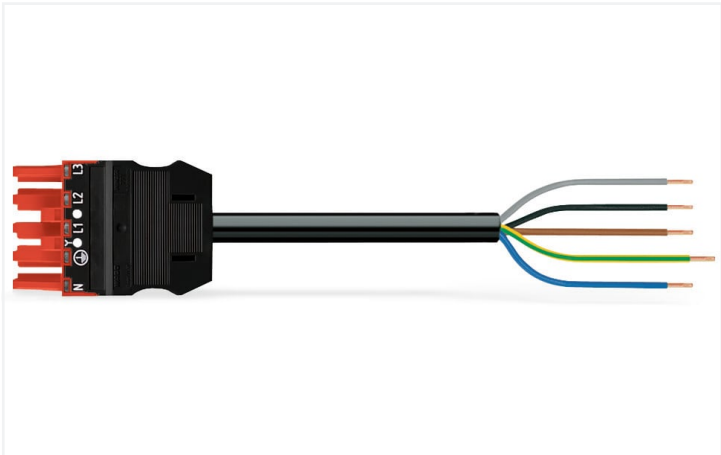
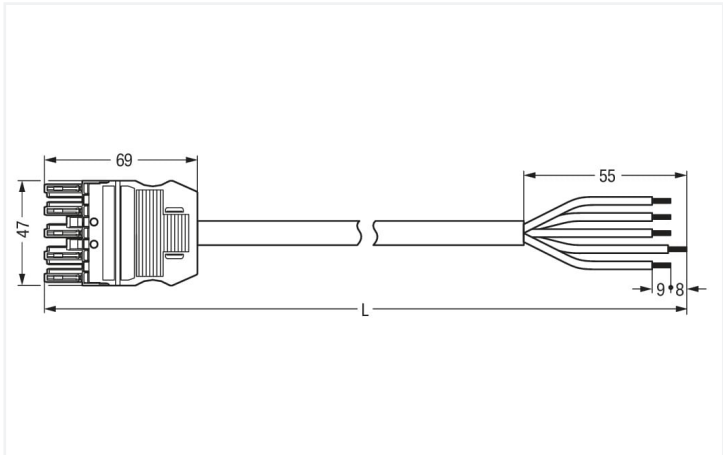




Color: ■ red



Dimensions in mm

Cable assembly WINSTA® MIDI rated current 16 A

The WINSTA® MIDI cable assembly with protection type IP20 is the pluggable solution for your use in control cabinets, on PCBs or for lighting connections. On PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to make connections according to many different requirements in no time flat. For greater security in electrical installations, the pluggable installation connector is equipped with mechanical 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!)). UPS applications for IT technology frequently use the red WINSTA® MIDI pluggable installation connectors with P coding. The WINSTA® MIDI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology facilitates exemplary electrification. Due to the integrated test slot, connections can be checked even when they are plugged in. This saves time, labor, and money. Building safety must be ensured at all times, even after the electrical installation stage. The required safety requirements in connection with EU CPR are fully satisfied by this product through fire class E. The cable assembly is free of halogen. This eliminates the addition of environmental pollutants during production. It also increases the fire class, since halogen-free materials do not easily ignite.

Fast, secure pluggable connections – cable assemblies from WAGO

The cable assembly is provided with a socket and a free end. WINSTA® is the pluggable connection system that is optimally tailored to the strict requirements of electrical installation. It allows error-free installation of cables and components, quickly and reliably. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with protection against mismating from WAGO.

- pluggable installation connectors with protection against mismating
- for automation controllers
- for UPS applications
- flexible installation to save space
- quick replacement of defective units during ongoing operation

| 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        |  | 16 A           | -   | -  |                                                 |  |



| Connection data            |                           |                                 |                    |
|----------------------------|---------------------------|---------------------------------|--------------------|
| Total number of potentials | 5                         | Connection 1                    |                    |
| PE function                | Preceding PE contact      | Strip length                    | 9 mm / 0.35 inches |
| Conductor preparation      | ultrasonically tip-bonded | Pole number                     | 5                  |
|                            |                           | Sheathed cable diameter         | 9.3 ... 11.6 mm    |
|                            |                           | Wire cross-section              | 1.5 mm²            |
|                            |                           | Strip length (outer insulation) | 55 mm              |
|                            |                           | Connection type                 | Socket - 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                         |  | Socket - free end                                                                                             |  |
| Type of pre-assembled cable             |  | Connecting cable                                                                                              |  |
| Cable type                              |  | H05Z1Z1-F 5G1.5                                                                                               |  |
| 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                          |  | 30.127 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                       |  | Yes                                                                      |
| Silicon-free                       |  | Yes                                                                      |
| Sheath material                    |  | Halogen-free                                                             |
| Rubber cable                       |  | No                                                                       |
| Weight                             |  | 175.5 g                                                                  |
| Copper weight of the pipe          |  | 0.072 kg/m                                                               |

| Environmental requirements               |  |                                                                                                       |
|------------------------------------------|--|-------------------------------------------------------------------------------------------------------|
| Processing temperature                   |  | -5 ... +40 °C                                                                                         |
| Continuous operating temperature         |  | -35 ... +85 °C                                                                                        |
| Note on continuous operating temperature |  | Cable for temperatures ≤ 70 °C (including halogen-free)<br>Insulating parts for temperatures ≤ 105 °C |

| Commercial data |  |               |
|-----------------|--|---------------|
| eCl@ss 10.0     |  | 27-44-06-04   |
| eCl@ss 9.0      |  | 27-44-06-04   |
| ETIM 8.0        |  | EC002587      |
| ETIM 7.0        |  | EC002587      |
| PU (SPU)        |  | 1 pcs         |
| Packaging type  |  | Box           |
| GTIN            |  | 4045454406691 |

| 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-7355                                                |
| 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 |  |  | ↓ |
| 771-9975/116-101                 |  |  |   |

Documentation

|                  |            |                 |   |
|------------------|------------|-----------------|---|
| Bid Text         |            |                 |   |
| 771-9975/116-101 | 19.02.2019 | xml<br>3.00 KB  | ↓ |
| 771-9975/116-101 | 11.12.2014 | doc<br>26.00 KB | ↓ |

CAD/CAE-Data

|                  |  |  |   |
|------------------|--|--|---|
| CAE data         |  |  |   |
| WSCAD Universe   |  |  | ↓ |
| 771-9975/116-101 |  |  |   |

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.: 770-201**  
Lockout cap; 12-pole, separable; for sockets; Plastic; black



**Item No.: 770-221**  
Lockout cap; 12-pole, separable; for sockets; Plastic; white



**Item No.: 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