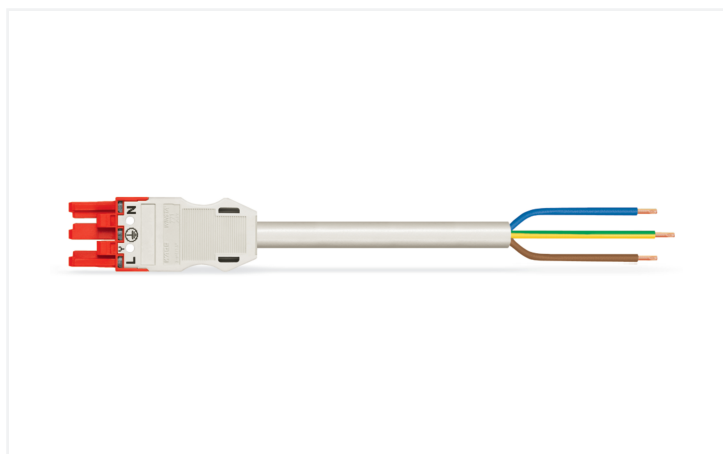


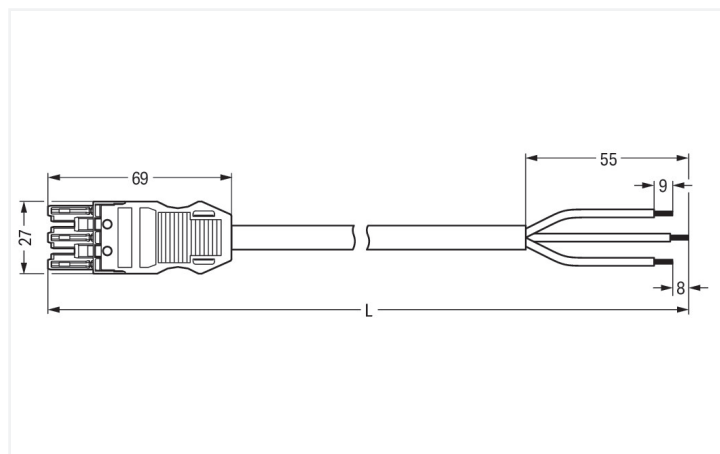
## Data Sheet | Item Number: 771-9973/106-502

pre-assembled connecting cable; Eca; Socket/open-ended; 3-pole; Cod. P; H05VV-F 3G 1.5 mm<sup>2</sup>; 5 m; 1,50 mm<sup>2</sup>; red

<https://www.wago.com/771-9973/106-502>



Color: ■ red



Dimensions in mm

### Cable assembly WINSTA® MIDI 3-pole

The WINSTA® MIDI cable assembly with protection type IP20 supports fast, reliable installation. WAGO pluggable installation connectors are used when criteria repeat or are distributed on a specified grid, for example for installing grid lighting or flush-mount lighting. The color coding and mechanical coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismatching. The pluggable installation connector is protected in accordance with protection type IP20 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). That results in the fact that users' fingers will never come into contact with electrified elements. UPS applications in information technology (IT) 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 safe electrification. Due to the included test slot, it is possible to check connections even when they are plugged in. This saves time, labor, and money. Of course, the safety of buildings must always be ensured, even after the electrical installation has been performed. The mandatory safety requirements in connection with EU CPR are fully satisfied by this product through fire class E.

### Fast, secure pluggable connections – cable assemblies from WAGO

A socket and a free end are provided. The WINSTA® Pluggable Connection System allows pluggable electrical installation. This significantly reduces the need for servicing and lowers costs. Choose quality and durability – with strain relief hosting from WAGO makes the installation of electrical components noticeably easier.

- effective protection against mismatching
- for automation controllers
- for UPS applications
- ready to install and use immediately
- fast, secure installation

### Notes

Note

Cables with a different fire class can be found in the eShop.

## Electrical data

| Ratings per                     | IEC/EN 60664-1 |     |    |
|---------------------------------|----------------|-----|----|
| Overvoltage category            | III            | III | II |
| Pollution degree                | 3              | 2   | 2  |
| Nominal voltage                 | 250 V          | -   | -  |
| Rated impulse withstand voltage | 4 kV           | -   | -  |
| Rated current                   | 16 A           | -   | -  |

## General information

|                            |  |
|----------------------------|--|
| Note on contact resistance | approx. 1 mΩ of contact resistance<br>approx. 0.25 mΩ contact transition plug/<br>socket |
|----------------------------|--|

## 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              | 1.5 mm <sup>2</sup> |
| Strip length (outer insulation) | 55 mm               |
| Connection type                 | Socket - 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                         | Socket - free end   |
| Type of pre-assembled cable             | Connecting cable  |
| Cable type                              | H05VV-F 3G1.5   |
| 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 <i>WINSTA</i> ® 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                          | 149.72 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                             | 507.5 g  |
| Copper weight of the raw cable     | 0.043 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

|                       |               |
|-----------------------|---------------|
| PU (SPU)              | 1 pcs         |
| Packaging type        | unpacked      |
| Country of origin     | DE            |
| GTIN                  | 4045454421267 |
| Customs tariff number | 85444290900   |

### Product Classification

|             |                      |
|-------------|----------------------|
| UNSPSC      | 26121629             |
| eCl@ss 10.0 | 27-44-06-04          |
| eCl@ss 9.0  | 27-44-06-04          |
| ETIM 9.0    | EC002587             |
| ETIM 10.0   | EC002587             |
| ECCN        | NO US CLASSIFICATION |

### Environmental Product Compliance

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

Approvals / Certificates

General approvals



| 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        |

Downloads

Environmental Product Compliance

Compliance Search

|  |                   |
|--|-------------------|
| Environmental Product Compliance<br>771-9973/106-502 | <a href="#">↓</a> |
|--|-------------------|

Documentation

Bid Text

|                  |            |                 |                   |
|------------------|------------|-----------------|-------------------|
| 771-9973/106-502 | 19.02.2019 | xml<br>2.98 KB  | <a href="#">↓</a> |
| 771-9973/106-502 | 05.12.2014 | doc<br>26.50 KB | <a href="#">↓</a> |

CAD/CAE-Data

CAE data

|                                    |                   |
|------------------------------------|-------------------|
| WSCAD Universe<br>771-9973/106-502 | <a href="#">↓</a> |
|------------------------------------|-------------------|

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.: 897-2003**

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