

## Data Sheet | Item Number: 771-9995/217-1101

pre-assembled connecting cable; Eca; Plug/open-ended; 5-pole; Cod. A; H05Z1Z1-F 5G 2.5 mm<sup>2</sup>; 11 m; 2,50 mm<sup>2</sup>; black

<https://www.wago.com/771-9995/217-1101>



Color: ■ black



Dimensions in mm

Cable assembly WINSTA® MIDI rated current 20 A

For signal and power transmission: The WINSTA® MIDI cable assembly A coding. Our pluggable installation connectors with spring pressure connection technology work entirely without screw connections. They allow resource-efficient, error-free installation in a large number of possible uses. For greater protection in electrical installations, the pluggable installation connector is provided with mechanical protection against mismatching. The pluggable installation connector offers touch-proof protection 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!)). The WINSTA® MIDI pluggable installation connector with A coding in black or white is usually used for general mains applications in power distribution. The rated current and voltage are important criteria for selecting a pluggable installation connector: They tell us about the product's domains of use. This product has a current rating of 20 A – so it is also suitable for powerful loads. 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. That saves time and reduces installation labor and expense. According to the European CPR, the fire class of the cables used in construction is critical for the safety of buildings as well. For buildings with average safety requirements, cable assemblies with fire class E are suitable. In the production of this cable assembly, we eliminated the use of halogen. This is an important contribution to environmental protection.

Pluggable connections instead of screw connections – cable assemblies from WAGO

The cable assembly is equipped with a plug and a free end. The WINSTA® Pluggable Connection System allows pluggable electrical installation. This significantly reduces the need for servicing and lowers costs. Now you can also reduce installation costs without compromising quality and safety: with protection type IP20 eliminates the need for servicing and prevents unnecessary downtime.

- effective protection against mismatching
- pre-assembled versions
- with A coding for a great number of uses
- ready to install and use immediately
- quick replacement of defective units during ongoing operation

## Notes

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

## Electrical data

## Ratings per IEC/EN

|   |  |
|---|--|
| Ratings per                               | IEC/EN 60664-1   |
| Nominal voltage (III/3)                   | 400 V  |
| Rated impulse withstand voltage (III / 3) | 6 kV   |
| Rated current                             | 20 A   |
| Legend (ratings)                          | (III / 3) $\triangleq$ Overvoltage category III / Pollution degree 3 |

## General information

|                            |   |
|----------------------------|---|
| Note on contact resistance | approx. 1 m $\Omega$ of contact resistance<br>approx. 0.25 m $\Omega$ contact transition plug/ socket |
|----------------------------|---|

## Connection Data

|                            |                           |
|----------------------------|---------------------------|
| Total number of potentials | 5                         |
| PE function                | Preceding PE contact      |
| Conductor preparation      | ultrasonically tip-bonded |

## Connection 1

|                                 |                     |
|---------------------------------|---------------------|
| Strip length                    | 9 mm / 0.35 inches  |
| Pole number                     | 5                   |
| Wire cross-section              | 2.5 mm <sup>2</sup> |
| 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 | 11 m                    |

## Mechanical data

|   |   |
|---|---|
| Use                                     | General mains applications  |
| Coding                                  | A   |
| Variable coding                         | Yes   |
| Marking                                 | N $\oplus$ L1 L2 L3   |
| Potential marking                       | N $\oplus$ 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                              | H05Z1Z1-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                              | black  |
| 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                          | 330.18 MJ  |
| Connector color                    | black  |
| 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                             | 2580 g   |
| Copper weight of the raw cable     | 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

|                       |               |
|-----------------------|---------------|
| PU (SPU)              | 1 pcs         |
| Packaging type        | unpacked      |
| Country of origin     | PL            |
| GTIN                  | 4066966840575 |
| Customs tariff number | 85444290900   |

**Product Classification**

|           |                      |
|-----------|----------------------|
| UNSPSC    | 26121629             |
| 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.       | IEC 61535 | NTR NL-7972      |
| KEMA/KEUR<br>DEKRA Certification B.V. | EN 61535  | 71-123834        |

**Downloads**

**Environmental Product Compliance**





|   |
|---|
| Compliance Search   |
| Environmental Product Compliance<br>771-9995/217-1101  |

**1 Compatible Products**

**1.1 Required Accessories**

**1.1.1 Locking system**

**1.1.1.1 Locking system**

|   |   |   |   |
|---|---|---|---|
|                |                |             |            |
| <a href="#">Item No.: 770-101</a><br>Locking lever; for flying leads; for manual operation; black | <a href="#">Item No.: 770-121</a><br>Locking lever; for flying leads; for manual operation; white | <a href="#">Item No.: 770-111</a><br>Locking lever; for flying leads; for tool operation; black | <a href="#">Item No.: 770-131</a><br>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