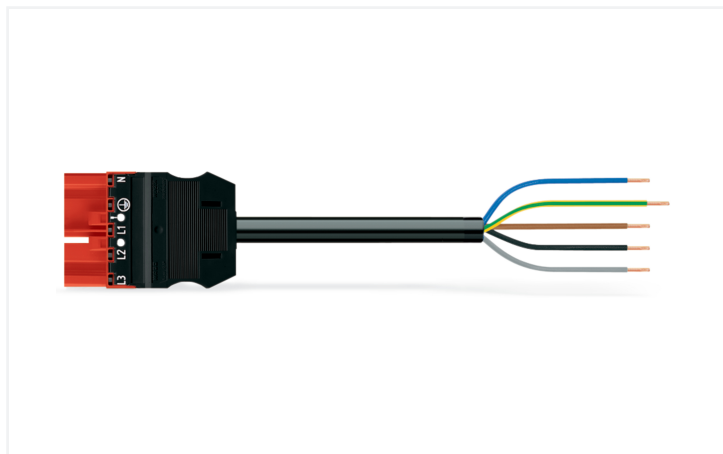


## Data Sheet | Item Number: 771-9975/217-501

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

<https://www.wago.com/771-9975/217-501>



Color: ■ red



Dimensions in mm

Cable assembly WINSTA® MIDI rated current 20 A

The WINSTA® MIDI cable assembly rated current 20 A provides the foundation for installation of fine-stranded and solid conductors. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to make connections according to a huge variety of requirements in no time flat. For greater security in electrical installations, the pluggable installation connector is equipped with mechanical protection against mismatching. 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!)). WINSTA® MIDI pluggable installation connectors with P coding are employed for applications involving uninterruptible power supplies. This pluggable installation connector can be used for electrical currents up to 20 A. Thus the product is also suitable for high power loads. WINSTA® MIDI with Push-in CAGE CLAMP® spring pressure connection technology is found in can be found in a variety of projects you can use for quick, easy and maximally flexible electrical installation. According to the European CPR, the fire class of the cables used in construction is decisive for building safety as well. For buildings with medium-level safety requirements, cable assemblies with fire class E are suitable. The cable assembly is free of halogen. This eliminates the addition of environmental pollutants during production. It also achieves a higher fire class, since halogen-free materials are flame-resistant.

Fast, secure pluggable connections – cable assemblies from WAGO

The cable is pre-assembled with a plug and a free end. The WINSTA® Pluggable Connection System is perfectly tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and thus faster, more reliable, and error-free. Using this pre-assembled system decreases time spent on assembly and errors during installation at the construction site. Choose durability and quality – with strain relief hosting from WAGO makes the electrical installation of electrical components significantly easier.

- pluggable installation connectors with protection against mismatching
- 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

Ratings per	IEC/EN 60664-1			General information	
Overvoltage category	III	III	II	Note on contact resistance	approx. 1 mΩ of contact resistance approx. 0.25 mΩ contact transition plug/ socket
Pollution degree	3	2	2		
Nominal voltage	400 V	-	-		
Rated impulse withstand voltage	6 kV	-	-		
Rated current	20 A	-	-		

## Connection Data

Total number of potentials	5	<b>Connection 1</b>	
PE function	Preceding PE contact	Strip length	9 mm / 0.35 inches
Conductor preparation	ultrasonically tip-bonded	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	5 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	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: a.) plugging different numbers of poles b.) plugging while rotated 180 c.) plugging while laterally staggered 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	150.18 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	Yes
Silicon-free	Yes
Sheath material	Halogen-free
Rubber cable	No
Weight	1182.6 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) Insulating parts for temperatures ≤ 105 °C

### Commercial data

PU (SPU)	1 pcs
Packaging type	unpacked
Country of origin	DE
GTIN	4045454433499
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
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**Approvals / Certificates**

General approvals			Declarations of conformity and manufacturer's declarations		
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 61535	NTR NL-7972	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
KEMA/KEUR DEKRA Certification B.V.	EN 61535	71-123834	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

**Downloads**

**Environmental Product Compliance**

Compliance Search	
Environmental Product Compliance 771-9975/217-501	<a href="#">↓</a>

**Documentation**

Bid Text			
771-9975/217-501	19.02.2019	xml 3.00 KB	<a href="#">↓</a>
771-9975/217-501	11.12.2014	doc 26.00 KB	<a href="#">↓</a>

**CAD/CAE-Data**

CAE data	
WSCAD Universe 771-9975/217-501	<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.: 770-360**

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