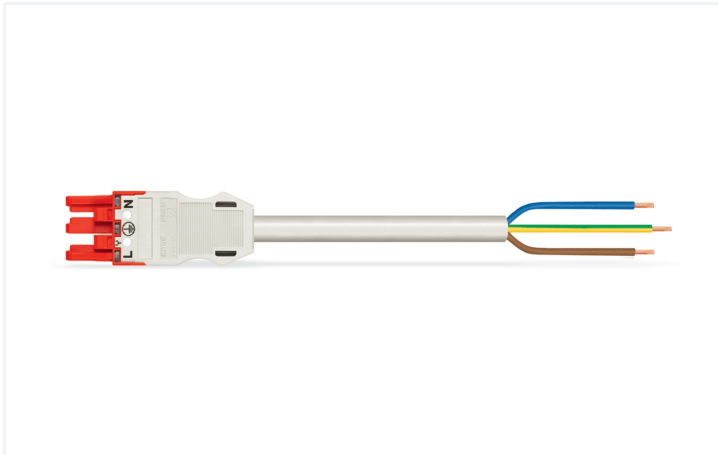


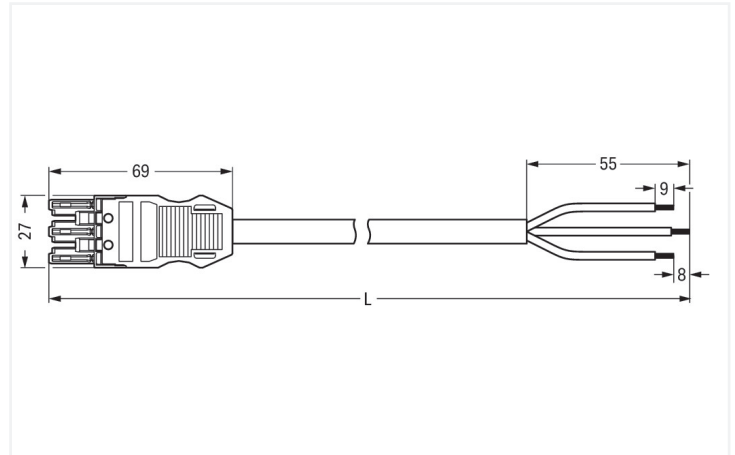
## Data Sheet | Item Number: 771-9973/117-702

pre-assembled connecting cable; Eca; Socket/open-ended; 3-pole; Cod. P;  
H05Z1Z1-F 3G 2.5 mm<sup>2</sup>; 7 m; 2,50 mm<sup>2</sup>; red

<https://www.wago.com/771-9973/117-702>



Color: ■ red



Dimensions in mm

### Cable assembly WINSTA® MIDI with strain relief

Use effective pluggable connections instead of laborious screw connections: With the WINSTA® MIDI cable assembly 3-pole. WAGO pluggable installation connectors are useful when specifications repeat or are planned on a specified grid, for example for installing grid lighting or flush-mount lighting. For greater protection in electrical installations, the pluggable installation connector is equipped with mechanical protection against mismatching. 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 are used when an uninterruptible power supply is required. This pluggable installation connector can be used for electrical currents up to 20 A. Thus the product is also suitable for high power loads. The WINSTA® MIDI product line guarantees flexibility for the electrical installation. With its Push-in CAGE CLAMP® spring pressure connection technology, it guarantees time-saving, error-free installation and offers flexibility for meeting all installation requirements. This product meets all the relevant safety requirements of fire class E; therefore it can be used in domains where fire safety is relevant. The cable assembly is halogen-free. This eliminates the addition of environmental pollutants during production. It also increases the fire class, since halogen-free materials do not easily ignite.

### Fast, error-free assembly thanks to cable assemblies from WAGO

A socket and a free end are available. WINSTA® is the pluggable connection system that is perfectly tailored to the strict requirements of electrical installation. It offers error-free installation of cables and components, quickly and reliably. Choose quality and durability – with marking from WAGO makes the electrical installation of electrical components noticeably easier.

- pluggable installation connectors with protection against mismatching
- simple circuits
- for UPS applications
- exact dimensions
- rapid, structured electrical 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	250 V	-	-		
Rated impulse withstand voltage	4 kV	-	-		
Rated current	20 A	-	-		

## Connection Data

Total number of potentials	3	<b>Connection 1</b>	
PE function	Preceding PE contact	Strip length	9 mm / 0.35 inches
Conductor preparation	ultrasonically tip-bonded	Pole number	3
		Wire cross-section	2.5 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	7 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	H05Z1Z1-F 3G2.5
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	209.713 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	Yes
Silicon-free	Yes
Sheath material	Halogen-free
Rubber cable	No
Weight	1045.6 g
Copper weight of the raw cable	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) Insulating parts for temperatures ≤ 105 °C

### Commercial data

PU (SPU)	1 pcs
Packaging type	unpacked
Country of origin	DE
GTIN	4055143486064
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 771-9973/117-702	↓

**Documentation**

Bid Text			
771-9973/117-702	19.02.2019	xml 3.00 KB	↓
771-9973/117-702	05.12.2014	doc 26.00 KB	↓

**CAD/CAE-Data**

CAE data	
WSCAD Universe 771-9973/117-702	↓

## 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