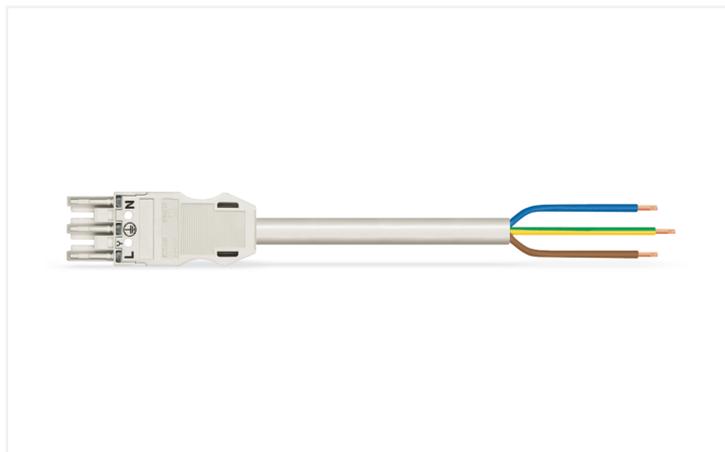


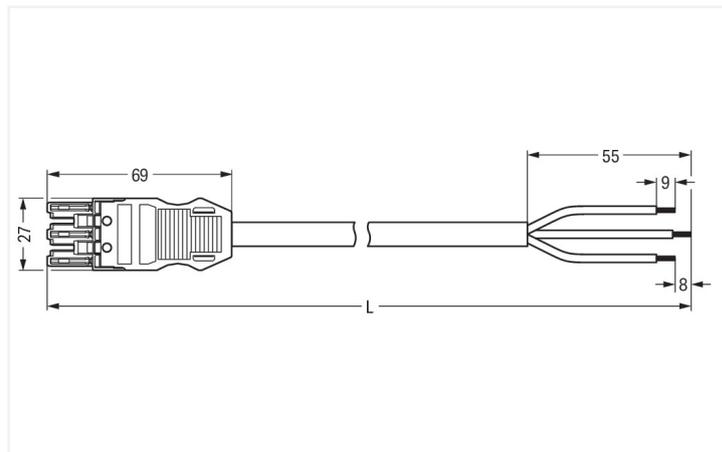
## Data Sheet | Item Number: 771-9993/116-502

pre-assembled connecting cable; Eca; Socket/open-ended; 3-pole; Cod. A;  
H05Z1Z1-F 3G 1.5 mm<sup>2</sup>; 5 m; 1,50 mm<sup>2</sup>; white

<https://www.wago.com/771-9993/116-502>



Color: ■ white



Dimensions in mm

### Cable assembly WINSTA® MIDI 3-pole

The WINSTA® MIDI cable assembly rated current 16 A is the pluggable solution for your use in control cabinets, on PCBs or for lighting connections. The pluggable installation connectors with spring pressure connection technology function entirely without screw connections. They allow flexible, error-free installation in numerous possible uses. 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!)). The WINSTA® MIDI pluggable installation connector with A coding in black or white is usually used for general mains applications in power distribution. The WINSTA® MIDI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology facilitates precise electrification. Due to the included 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 met by this product through fire class E. In the production of this cable assembly, halogens were deliberately omitted. That is an important contribution to climate protection.

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

A socket and a free end are provided. The WINSTA® Pluggable Connection System is ideally tailored to the strict requirements of building installation. It makes electrical installation pluggable, and thus faster, more reliable, and error-free. Use of this pre-assembled system decreases time spent on assembly and errors during installation at the construction site. Enjoy the benefits of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with strain relief hosting from WAGO.

- pluggable installation connectors with protection against mismatching
- simple circuits
- with A coding for a great number of applications
- custom-engineered solutions
- convenient installation and commissioning

## 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	16 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	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	General mains applications
Coding	A
Variable coding	Yes
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 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 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	white
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	149.722 MJ
Connector color	white
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	497.6 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) Insulating parts for temperatures ≤ 105 °C

### Commercial data

PU (SPU)	1 pcs
Packaging type	unpacked
Country of origin	DE
GTIN	4044918587860
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-7355	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
KEMA/KEUR DEKRA Certification B.V.	EN 61535	71-123834	UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

**Downloads**

**Environmental Product Compliance**

Compliance Search	
Environmental Product Compliance 771-9993/116-502	<a href="#">↓</a>

**Documentation**

Bid Text			
771-9993/116-502	19.02.2019	xml 2.99 KB	<a href="#">↓</a>
771-9993/116-502	04.12.2014	doc 25.50 KB	<a href="#">↓</a>

**CAD/CAE-Data**

CAD data		CAE data	
2D/3D Models 771-9993/116-502	<a href="#">↓</a>	EPLAN Data Portal 771-9993/116-502	<a href="#">↓</a>
		WSCAD Universe 771-9993/116-502	<a href="#">↓</a>
		ZUKEN Portal 771-9993/116-502	<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