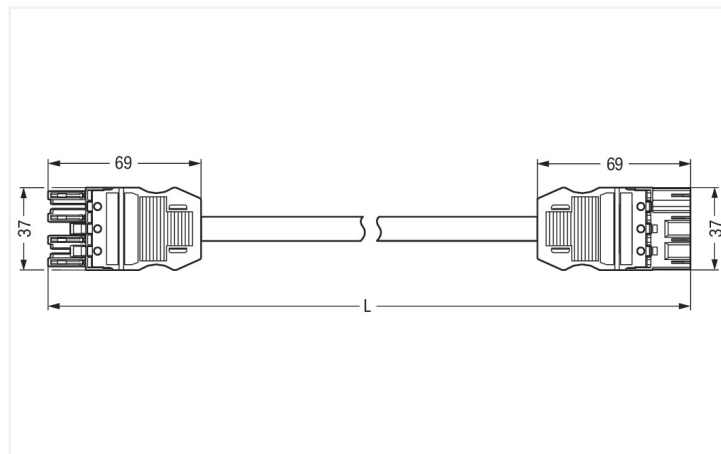
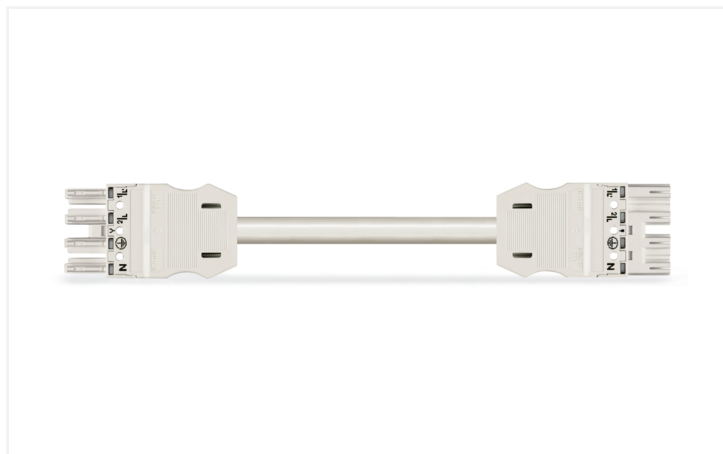


## Data Sheet | Item Number: 771-9294/016-502

pre-assembled interconnecting cable; B2ca; Socket/plug; 4-pole; Cod. A; H05Z1Z1-F 4G 1.5 mm<sup>2</sup>; 5 m; 1,50 mm<sup>2</sup>

<https://www.wago.com/771-9294/016-502>



Dimensions in mm

Cable assembly *WINSTA*® MIDI rated current 16 A

The *WINSTA*® MIDI cable assembly with protection against mismatching supports rapid, correct installation. The pluggable installation connectors with spring pressure connection technology work entirely without screw connections. They allow flexible, error-free installation in numerous applications. The coding options reduce installation errors, allowing fast, secure wiring of all components. 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!)). Thanks to the color coding and mechanical A coding of *WINSTA*® MIDI pluggable installation connectors, you can clearly distinguish different circuits. The *WINSTA*® MIDI Pluggable Connection System with Push-in *CAGE CLAMP*® spring pressure connection technology facilitates safe electrification. Due to the included test slot, connections can be checked even when they are plugged in. This saves time, labor, and money. If you need to meet stricter safety standards, you should use cables with fire class B2. These are suitable for use in buildings with extremely high demands on safety. Eliminating halogens as an additive in the manufacture of this cable assembly substantially improves fire safety and reduces environmental pollution.

Pluggable connections instead of screw connections – cable assemblies from WAGO

A socket and a plug are provided. The *WINSTA*® Pluggable Connection System is perfectly tailored to the strict requirements of building installation. It makes electrical installation pluggable, and thus more efficient, even more reliable, and error-free. Use of this pre-assembled system reduces time spent on assembly and errors during installation at the construction site. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with protection type IP20 from WAGO.

- protection against mismatching eliminates errors
- simple circuits
- with A coding for use in many general mains applications
- 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 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	16 A	-	-		

## Connection Data

Total number of potentials	4	<b>Connection 1</b>	
PE function	Preceding PE contact	Pole number	4
		Wire cross-section	1.5 mm <sup>2</sup>
		Connection type	Socket - Plug

## Physical data

Pin spacing	10 mm / 0.394 inches
Width	37 mm / 1.457 inches
Height	12.9 mm / 0.508 inches
Total length	5 m

## Mechanical data

Use	General mains applications
Coding	A
Variable coding	Yes
Marking	N ⊕ 2/L 1/L'
Potential marking	N ⊕ 2/L 1/L'
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 - Plug
Type of pre-assembled cable	Interconnecting cable
Cable type	H05Z1Z1-F 4G1.5
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: 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>
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire class per EN 50575	B2 <sub>ca</sub>
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin
Fire load	0.864 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	669.1 g
Copper weight of the raw cable	0.058 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	4055143760676
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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## Downloads

### Environmental Product Compliance

#### Compliance Search

Environmental Product Compliance  
771-9294/016-502



## CAD/CAE-Data

#### CAE data

EPLAN Data Portal  
771-9294/016-502



## 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.: 770-360](#)

Lockout cap; for plugs; 5-pole; separable; yellow

### 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