

## Data Sheet | Item Number: 771-8985/017-803

pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. L; H05Z1Z1-F  
5G 2.5 mm<sup>2</sup>; 8 m; 2,50 mm<sup>2</sup>; dark gray

<https://www.wago.com/771-8985/017-803>



Color: ■ dark gray



Dimensions in mm

### Cable assembly WINSTA® MIDI with protection against mismatching

Use effective pluggable connections instead of laborious screw connections: With the WINSTA® MIDI cable assembly L coding, WAGO pluggable installation connectors can be used when specifications repeat or are distributed on a defined grid, for example for installing grid lighting or flush-mount lighting. The color coding and mechanical coding of the pluggable installation connector ensure error-free installation of the individual components – including 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 L coding (2-pole or 5-pole) are ideal for supplying power to power supply units or small servo motors. Important parameters in the selection of a pluggable installation connector are the rated current and voltage: They provide information about possible domains of use and applications. This product has a current rating of 20 A – so it is suitable for robust loads. Our WINSTA® MIDI product line offers total flexibility for the installation. Through its Push-in CAGE CLAMP® spring pressure connection technology, it guarantees error-free, time-saving installation and offers flexibility and customization for meeting an enormous variety of installation requirements. According to the European CPR, the fire class of the cables used in construction is decisive for the safety of buildings, too. For houses with medium-level safety requirements, cable assemblies with fire class E are suitable. In the manufacturing 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 is pre-assembled with a socket and a plug. WINSTA® is the pluggable connection system that is optimally tailored to the strict requirements of electrical installation. It ensures fast, secure and, above all, error-free installation of components and cables. Choose durability and quality – with marking from WAGO makes the electrical installation of electrical components visibly easier.

- protection against mismatching eliminates errors
- simple circuits
- with L coding for supplying power in automation
- ready for immediate use
- 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	
Overtoltage 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	Pole number	5
		Wire cross-section	2.5 mm <sup>2</sup>
		Connection type	Socket - Plug

## Physical data

Pin spacing	10 mm / 0.394 inches
Width	54.6 mm / 2.15 inches
Height	17 mm / 0.669 inches
Total length	8 m

## Mechanical data

Use	Emergency power supply
Coding	L
Variable coding	No
Marking	N ⊕ L N' L'
Potential marking	N ⊕ L N' 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 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 <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>
Color	dark gray
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire class per EN 50575	E <sub>ca</sub>
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin
Fire load	241.057 MJ
Connector color	dark gray
Strain relief color	black
Sheathed cable color	black
Printing color of sheathed cable	white
Halogen-free	Yes
Silicon-free	Yes
Sheath material	Halogen-free
Rubber cable	No
Weight	1919.5 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	4055143497244
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**



Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 61535	NTR NL-7972
KEMA/KEUR DEKRA Certification B.V.	EN 61535	71-123834

**Declarations of conformity and manufacturer's declarations**

Approval	Standard	Certificate Name
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

**Downloads**

**Environmental Product Compliance**

**Compliance Search**

Environmental Product Compliance 771-8985/017-803	↓
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**Documentation**

**Bid Text**

771-8985/017-803	19.02.2019	xml 2.94 KB	↓
771-8985/017-803	10.12.2014	doc 26.00 KB	↓

**CAD/CAE-Data**

**CAE data**

WSCAD Universe 771-8985/017-803	↓
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**1 Compatible Products**

**1.1 Required Accessories**

**1.1.1 Installation**

**1.1.1.1 Mounting accessories**



**Item No.: 770-310**  
Mounting carrier; 2- to 5-pole; for flying leads; black

## 1.1.2 Locking system

### 1.1.2.1 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



**Item No.: 897-2005**

Protective cap; Type4; for sockets and plugs; PVC; red

## 1.2.2 Marking

### 1.2.2.1 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

### 1.2.2.2 Marking strip



**Item No.: 210-333**

Marking strips; as a DIN A4 sheet; Strip width 6 mm; Strip length 182 mm; plain; Self-adhesive; white