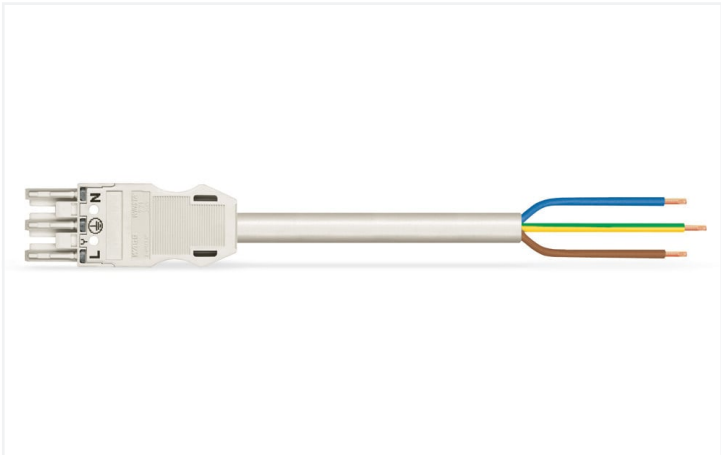
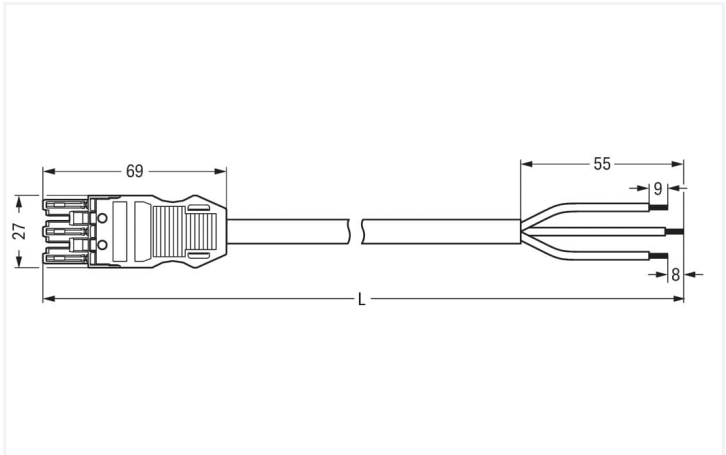




Color: white



Dimensions in mm

Cable assembly WINSTA® MIDI with protection against mismating

The WINSTA® MIDI cable assembly with protection against mismating is the pluggable solution for your application in control cabinets, on PCBs or for lighting connections. WAGO pluggable installation connectors are used when requirements repeat or are planned on a specified grid, for example for installing grid lighting or flush-mount lighting. The coding options reduce installation errors, allowing fast, maintenance-free wiring of all components. The pluggable installation connector is protected in accordance with protection type IP20 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). This means that users' fingers will never come into contact with energised elements. Thanks to the color coding and mechanical A coding of WINSTA® MIDI pluggable installation connectors, you can clearly distinguish different circuits. This pluggable installation connector is designed for a current load of up to 20 A. Therefore, it can also be used for high power loads. WINSTA® MIDI with Push-in CAGE CLAMP® spring pressure connection technology is used in can be found in a variety of projects you can use for quick, easy, flexible, and secure electrical installation. Building safety must be ensured at all times, even after the electrical installation stage. The mandatory safety requirements in connection with EU CPR are met by this product through fire class E.

Pluggable connections instead of screw connections – cable assemblies from WAGO

The cable is pre-assembled with a socket 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. Use of this pre-assembled system reduces time spent on assembly and installation errors at the construction site. Choose quality and durability – with marking from WAGO makes the electrical installation of electrical components significantly easier.

- protection against mismating eliminates errors
- simple circuits
- with A coding for a large number of applications
- exact dimensions
- fast, secure installation

Notes	
Note	Cables with a different fire class can be found in the eShop.

Electrical data					General information	
Ratings per		IEC/EN 60664-1			Note on contact resistance	
Overvoltage category		III	III	II	approx. 1 mΩ of contact resistance	
Pollution degree		3	2	2	approx. 0.25 mΩ contact transition plug/ socket	
Nominal voltage	250 V	-	-	-		
Rated surge voltage	4 kV	-	-	-		
Rated current	20 A	-	-	-		



Connection data			
Total number of potentials	3	Connection 1	
PE function	Preceding PE contact		
Conductor preparation	ultrasonically tip-bonded		
		Strip length	9 mm / 0.35 inches
		Pole number	3
		Sheathed cable diameter	9.2 ... 11.4 mm
		Wire cross-section	2.5 mm²
		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		8 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	H05VV-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)	Information on material specifications can be found here
Color	white
Insulation material (main housing)	Polyamide (PA66)
Fire class per EN 50575	E _{ca}
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin
Fire load	239.715 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	No
Silicon-free	Yes
Sheath material	PVC
Rubber cable	No
Weight	1237 g
Copper weight of the pipe	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	
eCl@ss 10.0	27-44-06-04
eCl@ss 9.0	27-44-06-04
ETIM 8.0	EC002587
ETIM 7.0	EC002587
PU (SPU)	1 pcs
Packaging type	unpacked
Country of origin	DE
GTIN	4044918587815
Customs tariff number	85444290900

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates		
General approvals		Declarations of conformity and manufacturer's declarations
Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 61535	NTR NL-7972
KEMA/KEUR DEKRA Certification B.V.	EN 61535	71-123834
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

771-9993/107-802

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Documentation

Bid Text

771-9993/107-802	19.02.2019	xml 2.97 KB	↓
771-9993/107-802	05.12.2014	doc 26.50 KB	↓

CAD/CAE-Data

CAD data

2D/3D Models
771-9993/107-802

↓

CAE data

EPLAN Data Portal
771-9993/107-802

↓

WSCAD Universe
771-9993/107-802

↓

ZUKEN Portal
771-9993/107-802

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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