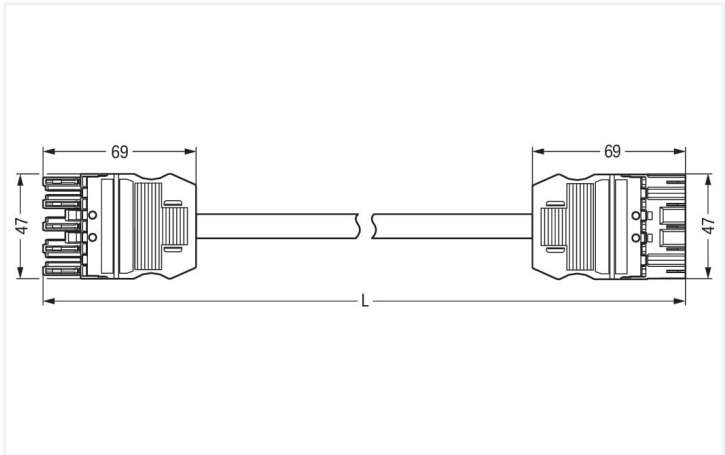
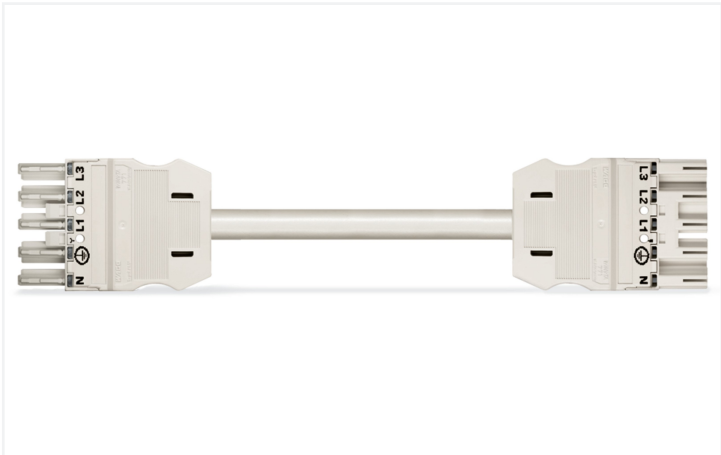




Dimensions in mm

Cable assembly WINSTA® MIDI rated current 20 A

For power and signal transmission: The WINSTA® MIDI cable assembly rated current 20 A. Our pluggable installation connectors with spring pressure connection technology work entirely without screw connections. They allow fast, efficient, error-free installation in numerous applications. The coding options reduce installation errors, allowing fast, maintenance-free wiring of all components. The pluggable installation connector offers touch-proof protection 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 white or black is usually used for general mains applications in power distribution. This pluggable installation connector can be used for electrical currents up to 20 A. Thus the product is especially suitable for high power loads. The WINSTA® MIDI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology facilitates exemplary electrification. Due to the built-in 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 fully satisfied by this product through fire class E. In the production of this cable assembly, halogens were deliberately omitted. This is an important contribution to environmental protection.

Fast, secure pluggable 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 allows error-free installation of cables and components, quickly and reliably. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with protection against mismating from WAGO.

- effective protection against mismating
- pre-assembled versions
- for any mains application
- custom-engineered solutions
- 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		400 V	-	-		
Rated surge voltage		6 kV	-	-		
Rated current		20 A	-	-		



Connection data			
Total number of potentials	5	Connection 1	
PE function	Preceding PE contact		
		Pole number	5
		Wire cross-section	2.5 mm²
		Connection type	Socket - Plug
Physical data			
Pin spacing	10 mm / 0.394 inches		
Width	47 mm / 1.85 inches		
Height	15.38 mm / 0.606 inches		
Total length	1 m		
Mechanical data			
Use	General mains applications		
Coding	A		
Variable coding	Yes		
Marking	N ⊕ L1 L2 L3		
Potential marking	N ⊕ L1 L2 L3		
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)	Information on material specifications can be found here		
Insulation material (main housing)	Polyamide (PA66)		
Flammability class per UL94	V0		
Fire class per EN 50575	E _{ca}		
Contact material	Copper or copper alloy; surface-treated		
Contact Plating	Tin		
Fire load	30.271 MJ		
Connector color	white		
Strain relief color	white		
Printing color of strain relief	black		
Sheathed cable color	white		



Material data	
Printing color of sheathed cable	black
Halogen-free	Yes
Silicon-free	Yes
Sheath material	Halogen-free
Rubber cable	No
Weight	268.5 g
Copper weight of the pipe	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	
eCl@ss 10.0	27-44-06-04
eCl@ss 9.0	27-44-06-04
ETIM 9.0	EC002587
ETIM 8.0	EC002587
PU (SPU)	1 pcs
Packaging type	unpacked
Country of origin	DE
GTIN	4044918589956
Customs tariff number	85444290900

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates		
General approvals		Declarations of conformity and manufacturer's declarations
CCA KEMA KEUR		
Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	IEC 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	771-9995/017-102		

Documentation			
Bid Text			
771-9995/017-102	19.02.2019	xml 2.92 KB	
771-9995/017-102	10.12.2014	doc 25.00 KB	
ausschreiben.de	771-9995/017-102		

CAD/CAE-Data			
CAD data		CAE data	
2D/3D Models	771-9995/017-102	EPLAN Data Portal	771-9995/017-102
		WSCAD Universe	771-9995/017-102
		ZUKEN Portal	771-9995/017-102

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



[Item No.: 897-2005](#)
Protective cap; Type4; 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