



Color: ■ black



Dimensions in mm

Cable assembly WINSTA® MIDI rated current 16 A

The WINSTA® MIDI cable assembly with protection type IP20 is the pluggable solution for your application in control cabinets, for lighting connections or on PCBs. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to establish connections according to various requirements in next to no time. For greater security in electrical installations, the pluggable installation connector is provided 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!)). General mains applications for almost any domain of use can be realised with WINSTA® MIDI pluggable installation connectors with A coding. The WINSTA® MIDI product line allows total flexibility for the installation of applications. With its Push-in CAGE CLAMP® spring pressure connection technology, it guarantees error-free, time-saving installation and offers flexibility and customization for meeting various installation requirements. This product meets all the relevant fire protection requirements of fire class E; as a result it can be used in domains where fire safety is relevant. In the production of this cable assembly, halogens were deliberately omitted. That is an important contribution to environmental protection.

Fast, secure pluggable connections – cable assemblies from WAGO

A socket and a plug are available. The WINSTA® Pluggable Connection System is perfectly tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and therefore more efficient, even more reliable, and error-free. Use of this pre-assembled system decreases time spent on assembly and errors during installation at the construction site. Now you can also cut installation costs without compromising safety and quality: with fire class E reduces the need for servicing and prevents unnecessary downtime.

- effective protection against mismatching
- for automation controllers
- with A coding for use in many general mains applications
- 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		250 V	-	-		
Rated surge voltage		4 kV	-	-		
Rated current		16 A	-	-		



Connection data			
Total number of potentials	3	Connection 1	
PE function	Preceding PE contact		
		Pole number	3
		Sheathed cable diameter	7.4 ... 9.4 mm
		Wire cross-section	1.5 mm²
		Connection type	Socket - Plug
Physical data			
Pin spacing	10 mm / 0.394 inches		
Width	27 mm / 1.063 inches		
Height	12.9 mm / 0.508 inches		
Total length	4 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 - Plug		
Type of pre-assembled cable	Interconnecting 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)	Information on material specifications can be found here		
Color	black		
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	119.477 MJ		
Connector color	black		
Strain relief color	black		
Printing color of strain relief	white		



Material data		
Sheathed cable color		black
Printing color of sheathed cable		white
Halogen-free		Yes
Silicon-free		Yes
Sheath material		Halogen-free
Rubber cable		No
Weight		411.7 g
Copper weight of the pipe		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		
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		4044918585545
Customs tariff number		85444290900

Environmental Product Compliance		
RoHS Compliance Status		Compliant,No Exemption

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 61535	NTR NL-7355
KEMA/KEUR DEKRA Certification B.V.	EN 61535	71-123834



Downloads			
Environmental Product Compliance			
Compliance Search			
Environmental Product Compliance	771-9993/016-401		

Documentation			
Bid Text			
771-9993/016-401	19.02.2019	xml 2.93 KB	
771-9993/016-401	04.12.2014	doc 25.00 KB	
ausschreiben.de	771-9993/016-401		

CAD/CAE-Data			
CAD data		CAE data	
2D/3D Models	771-9993/016-401	EPLAN Data Portal	771-9993/016-401
		WSCAD Universe	771-9993/016-401
		ZUKEN Portal	771-9993/016-401

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.: 897-2003](#)
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