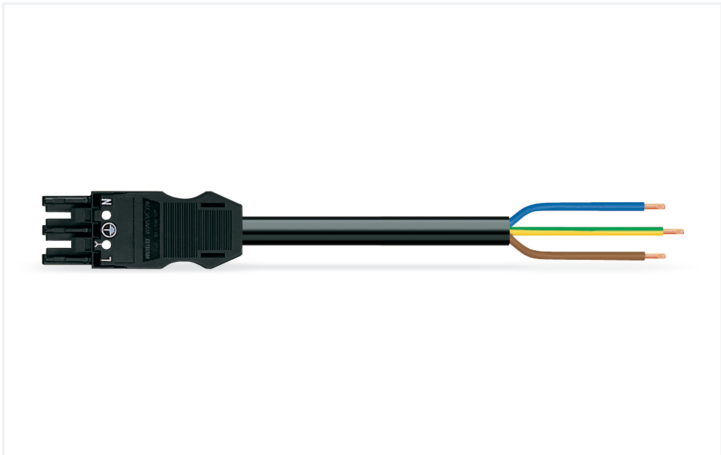
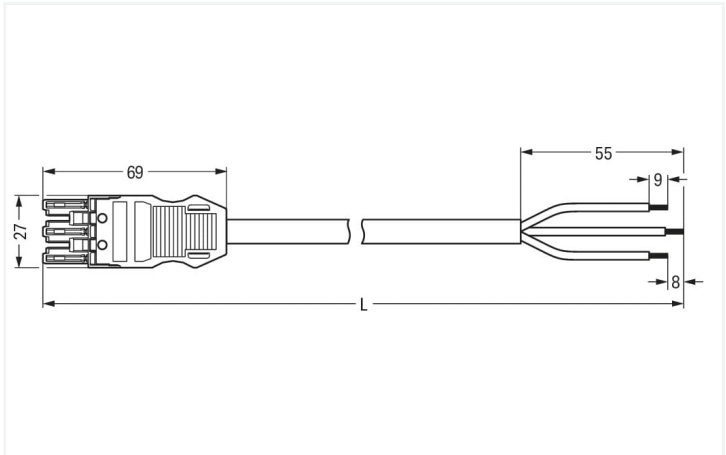




Color: ■ black



Dimensions in mm

Cable assembly WINSTA® MIDI with protection type IP20

Use effective pluggable connections instead of laborious screw connections: With the WINSTA® MIDI cable assembly rated current 16 A. The pluggable installation connectors with spring pressure connection technology function completely without screw connections. They allow flexible, error-free installation in numerous applications. For greater protection in electrical installations, the pluggable installation connector is equipped with mechanical protection against mismatching. 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!)). That results in the fact that users' fingers will never come into contact with energised elements. The WINSTA® MIDI pluggable installation connector with A coding in white or black is normally used for general mains applications in power distribution. Our WINSTA® MIDI product line achieves flexibility for the electrical installation. Through its Push-in CAGE CLAMP® spring pressure connection technology, it achieves time-saving, error-free installation and offers flexibility and customization for meeting an enormous variety of installation requirements. This product meets all the relevant safety 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. This is an important contribution to environmental protection.

Fast, secure pluggable connections – cable assemblies from WAGO

A socket and a free end are provided. The WINSTA® Pluggable Connection System allows pluggable electrical installation. This saves time, lowers costs, and reduces the need for servicing. Now you can also reduce installation costs without compromising quality and safety: with protection type IP20 reduces the need for servicing and prevents unnecessary downtime.

- protection against mismatching eliminates errors
- for automation controllers
- with A coding for a great number of applications
- ready for immediate use
- quick replacement of defective units during ongoing operation

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
PE function	Preceding PE contact
Conductor preparation	ultrasonically tip-bonded

Connection 1

Strip length	9 mm / 0.35 inches
Pole number	3
Wire cross-section	1.5 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	1 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	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)	
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	29.72 MJ	
Connector color	black	
Strain relief color	black	
Printing color of strain relief	white	
Sheathed cable color	black	
Printing color of sheathed cable	white	
Halogen-free	Yes	
Silicon-free	Yes	
Sheath material	Halogen-free	
Rubber cable	No	
Weight	108.8 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 9.0	EC002587	
ETIM 8.0	EC002587	
PU (SPU)	1 pcs	
Packaging type	unpacked	
Country of origin	DE	
GTIN	4044918586351	
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-7355									
KEMA/KEUR DEKRA Certification B.V.	EN 61535	71-123834									
		<table><tr><th>Approval</th><th>Standard</th><th>Certificate Name</th></tr><tr><td>EU-Declaration of Confor- mity WAGO GmbH & Co. KG</td><td>-</td><td>-</td></tr><tr><td>UK-Declaration of Confor- mity WAGO GmbH & Co. KG</td><td>-</td><td>-</td></tr></table>	Approval	Standard	Certificate Name	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
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UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-									



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance
771-9993/116-101

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Documentation

Bid Text

771-9993/116-101	19.02.2019	xml 3.00 KB	↓
771-9993/116-101	04.12.2014	doc 25.50 KB	↓

CAD/CAE-Data

CAD data

2D/3D Models
771-9993/116-101

↓

CAE data

EPLAN Data Portal
771-9993/116-101

↓

WSCAD Universe
771-9993/116-101

↓

ZUKEN Portal
771-9993/116-101

↓

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