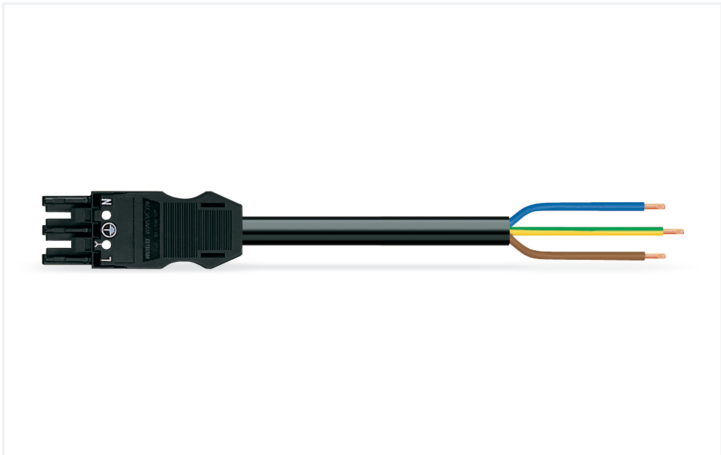
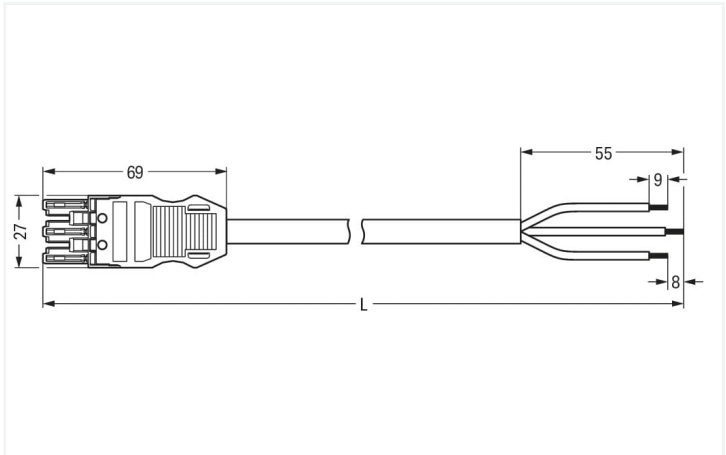




Color: ■ black



Dimensions in mm

Cable assembly WINSTA® MIDI with protection type IP20

The WINSTA® MIDI cable assembly with protection against mismatching provides the foundation for installation of solid and fine-stranded conductors. Our pluggable installation connectors with spring pressure connection technology function completely without screw connections. They allow fast, efficient, error-free installation in numerous applications. For greater security 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 live elements. Thanks to the color coding and mechanical A coding of WINSTA® MIDI pluggable installation connectors, you can clearly distinguish different circuits. Our WINSTA® MIDI product line offers flexibility for the electrical installation. With its Push-in CAGE CLAMP® spring pressure connection technology, it ensures time-saving, error-free installation and offers customization and flexibility for meeting an enormous variety of installation requirements. According to the European CPR, the fire class of the cables used for construction is decisive for building safety as well. For buildings with medium-level safety requirements, cable assemblies with fire class E are suitable.

Fast, error-free assembly thanks to cable assemblies from WAGO

The cable assembly is provided with a socket and a free end. The WINSTA® Pluggable Connection System allows pluggable electrical installation. This significantly reduces the need for servicing and lowers costs. Now you can also lower installation costs without compromising safety and quality: with strain relief hosting eliminates the need for servicing and prevents unnecessary downtime.

- protection against mismatching eliminates errors
- simple circuits
- with A coding for use in a large number of general mains applications
- flexible installation to save space
- 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		
Conductor preparation	ultrasonically tip-bonded		
		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		3 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 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	89.72 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	No
Silicon-free	Yes
Sheath material	PVC
Rubber cable	No
Weight	306.2 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	4044918586030
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	771-9993/106-301		

Documentation

Bid Text			
771-9993/106-301	19.02.2019	xml 2.98 KB	
771-9993/106-301	04.12.2014	doc 25.00 KB	

CAD/CAE-Data

CAD data	
2D/3D Models	771-9993/106-301

CAE data	
EPLAN Data Portal	771-9993/106-301
WSCAD Universe	771-9993/106-301
ZUKEN Portal	771-9993/106-301

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