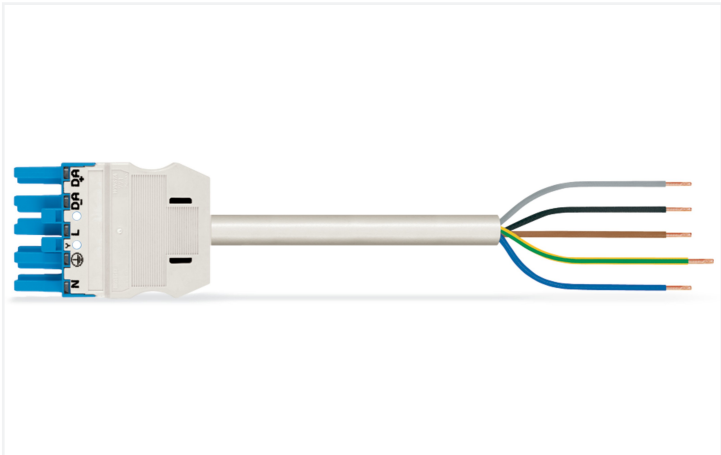
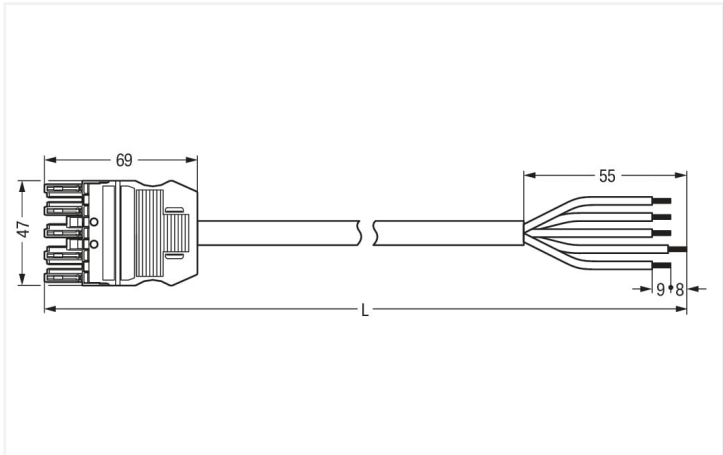




Color: ■ blue



Dimensions in mm

Cable assembly WINSTA® MIDI with protection type IP20

The WINSTA® MIDI cable assembly rated current 20 A supports fast, reliable installation. On PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to establish connections according to various requirements in no time flat. The coding options reduce installation errors, allowing fast, maintenance-free wiring of all components. The pluggable installation connector is protected against ingress by solid objects in accordance with protection type IP20 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). I coding in blue is used to mark WINSTA® MIDI pluggable installation connectors, which are used primarily in building automation for activating lighting. This pluggable installation connector is used for electrical currents up to 20 A. Thus the product is also suitable for high power loads. The WINSTA® MIDI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology facilitates exemplary electrification. Thanks to the integrated test slot, it is possible to check connections even when they are plugged in. This saves time, labor, and money. According to the European CPR, the fire class of the cables used in construction is critical for building safety as well. For houses with average safety requirements, cable assemblies with fire class E are suitable. The cable assembly is halogen-free. This eliminates the addition of environmental pollutants during production. It also increases the fire class, since halogen-free materials do not easily ignite.

Pluggable connections instead of screw connections – cable assemblies from WAGO

A socket and a free end are available. The WINSTA® Pluggable Connection System is perfectly tailored to the strict requirements of building installation. It makes electrical installation pluggable, and consequently more efficient, even more reliable, and error-free. Using this pre-assembled system decreases assembly times and installation errors at the construction site. Enjoy the benefits 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
- for automation controllers
- with I coding for lighting control (DALI standard)
- flexible installation to save space
- 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		400 V	-	-		
Rated surge voltage		6 kV	-	-		
Rated current		20 A	-	-		

Connection data

Total number of potentials	5
PE function	Preceding PE contact
Conductor preparation	ultrasonically tip-bonded

Connection 1

Strip length	9 mm / 0.35 inches
Pole number	5
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	47 mm / 1.85 inches
Height	15.38 mm / 0.606 inches
Total length	7 m

Mechanical data

Use	DALI, Lighting Management
Coding	I
Variable coding	No
Marking	N ⊕ L DA- DA+
Potential marking	N ⊕ L DA- DA+
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 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 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	blue
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	210.192 MJ
Connector color	blue
Strain relief color	white
Printing color of strain relief	black
Sheathed cable color	white
Printing color of sheathed cable	black
Halogen-free	Yes
Silicon-free	Yes
Sheath material	Halogen-free
Rubber cable	No
Weight	1649.7 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	4055143407137
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
		ApprovalStandardCertificate 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			↓
771-9985/117-702			

Documentation			
Bid Text			
771-9985/117-702	19.02.2019	xml 3.05 KB	↓
771-9985/117-702	11.12.2014	doc 26.50 KB	↓

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 771-9985/117-702	WSCAD Universe 771-9985/117-702
↓	↓
	ZUKEN Portal 771-9985/117-702
	↓

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.: 897-2005 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