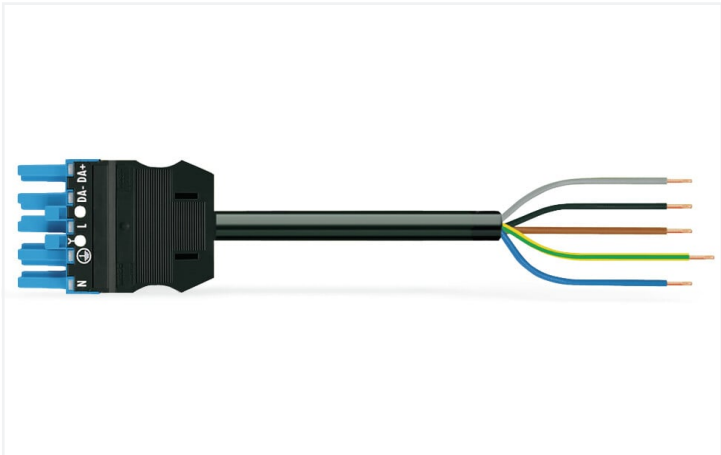
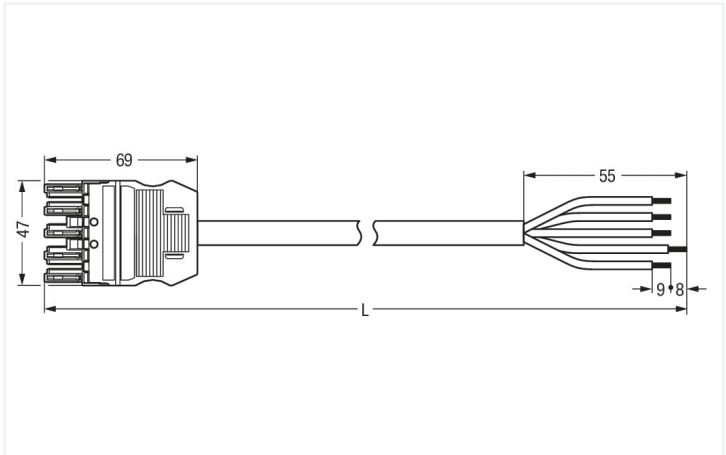




Color: ■ blue



Dimensions in mm

Cable assembly WINSTA® MIDI I coding

Use effective pluggable connections instead of laborious screw connections: With the WINSTA® MIDI cable assembly I coding. WAGO pluggable installation connectors can be used when requirements repeat or are distributed on a defined grid, for example for installing grid lighting or flush-mount lighting. For greater security in electrical installations, the pluggable installation connector is equipped with mechanical protection against mismating. 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!)). This means that users' fingers will never come into contact with energised elements. Regulated lighting equipment, as used in the DALI standard, for instance, is the main use of WINSTA® MIDI pluggable installation connectors with I coding. This pluggable installation connector can be used for a load of up to 20 A. Thus, it can also be used for high power loads. The WINSTA® MIDI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology facilitates precise electrification. Due to the integrated test slot, connections can be checked even when they are plugged in. This saves time, labor, and money. Of course, the safety of buildings must always be ensured, even after the electrical installation has been performed. The mandatory safety requirements in connection with EU CPR are fully satisfied by this product through fire class E. The cable assembly is halogen-free. This eliminates the addition of environmental pollutants during production. It also achieves a higher fire class, since halogen-free materials do not easily ignite.

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

A socket and a free end are provided. The WINSTA® Pluggable Connection System is ideally tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and consequently faster, more reliable, and error-free. Use of this pre-assembled system decreases assembly times and errors during installation at the construction site. Now you can also reduce installation costs without compromising safety and quality: with fire class E reduces the need for servicing and prevents unnecessary downtime.

- protection against mismating eliminates errors
- for automation controllers
- with I coding for use in building automation (lighting control)
- custom-engineered solutions
- 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	Connection 1	
PE function	Preceding PE contact		
Conductor preparation	ultrasonically tip-bonded		
		Strip length	9 mm / 0.35 inches
		Pole number	5
		Sheathed cable diameter	11.2 ... 13.9 mm
		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		8 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	240.192 MJ	
Connector color	blue	
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	1882.6 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 8.0	EC002587	
ETIM 7.0	EC002587	
PU (SPU)	1 pcs	
Country of origin	DE	
GTIN	4045454404949	
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
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			↓
771-9985/117-801			

Documentation			
Bid Text			
771-9985/117-801	19.02.2019	xml 3.06 KB	↓
771-9985/117-801	11.12.2014	doc 26.50 KB	↓

CAD/CAE-Data			
CAD data		CAE data	
2D/3D Models		WSCAD Universe	↓
771-9985/117-801	↓	771-9985/117-801	
		ZUKEN Portal	↓
		771-9985/117-801	

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