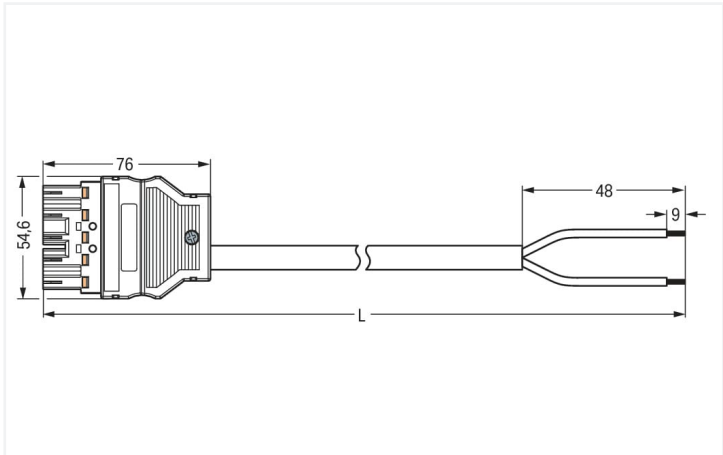
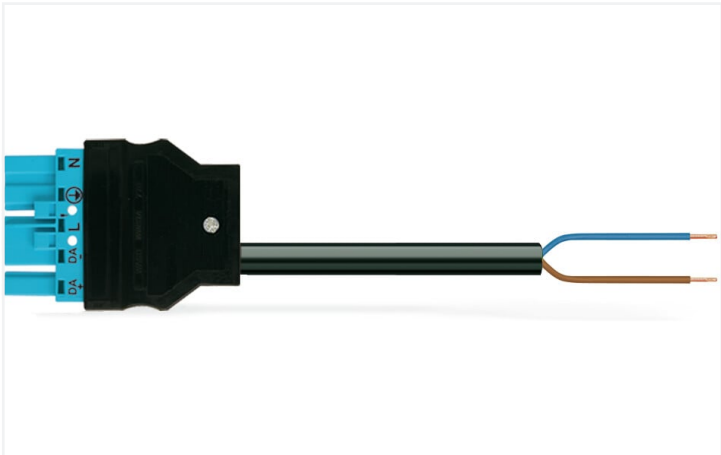




Dimensions in mm

Cable assembly *WINSTA*® MIDI with protection against mismating

The *WINSTA*® MIDI cable assembly with protection against mismating is the pluggable solution for your use in control cabinets, on PCBs or for lighting connections. WAGO pluggable installation connectors are useful when requirements repeat or are planned on a specified grid, for example for installing grid lighting or flush-mount lighting. The color coding and mechanical coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismating. 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 identify *WINSTA*® MIDI pluggable installation connectors, which are used above all in automation of buildings for controlling lighting. The *WINSTA*® MIDI product line achieves 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 various installation requirements. If you need to satisfy stricter safety standards, you should use cables with fire class C. These are suitable for use in buildings with preferably high demands on safety. In the production of this cable assembly, we eliminated the use of halogen. This is an important contribution to environmental protection.

Pluggable connections instead of screw connections – cable assemblies from WAGO

The cable is pre-assembled with a plug and a free end. *WINSTA*® is the pluggable connection system that is optimally tailored to the strict requirements of electrical installation. It offers error-free installation of cables and components, quickly and reliably. Choose durability and quality – with fire class C from WAGO makes the electrical installation of electrical components visibly easier.

- effective protection against mismating
- for automation controllers
- with I coding for use in the automation of buildings (lighting control)
- custom-engineered solutions
- rapid, structured electrical installation

Notes	
Note	Cables with a different fire class can be found in the eShop.

Electrical data				
Ratings per		IEC/EN 60664-1		
Overvoltage category		III	III	II
Pollution degree		3	2	2
Nominal voltage	250 V	-	-	-
Rated surge voltage	4 kV	-	-	-
Rated current	16 A	-	-	-
Ratings per UL 1977				
Note for the US market		Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.		

General information

Note on contact resistance	approx. 1 mΩ of contact resistance approx. 0.25 mΩ contact transition plug/ socket
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Connection data

Total number of potentials	2	Connection 1	
Conductor preparation	ultrasonically tip-bonded	Strip length	9 mm / 0.35 inches
		Pole number	5
		Sheathed cable diameter	6.8 ... 8.6 mm
		Wire cross-section	1.5 mm²
		Strip length (outer insulation)	48 mm
		Connection type	Plug - free end

Physical data

Pin spacing	10 mm / 0.394 inches
Width	54.6 mm / 2.15 inches
Height	17 mm / 0.669 inches
Total length	7 m

Mechanical data

Application	DALI, Lighting Management
Coding	I
Variable coding	No
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	Plug - free end
Type of pre-assembled cable	Connecting cable
Cable type	H05Z1Z1-F 2x1.5
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 <i>WINSTA</i> ® 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	Polyamide (PA66)
Flammability class per UL94	V0
Fire class per EN 50575	C _{ca}
Contact material	Copper or copper alloy; surface-treated
Contact plating	Tin
Fire load	1.035 MJ
Connector color	blue
Strain relief color	black
Sheathed cable color	black
Printing color of sheathed cable	white
Halogen-free	Yes
Silicon-free	Yes
Sheath material	Halogen-free
Rubber cable	No
Weight	587.8 g
Copper weight of the pipe	0.029 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	4055143810692
Customs tariff number	85444290900

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 771-5001/219-000	

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.: 770-360](#)
Lockout cap; for plugs; 5-pole; separable; yellow

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