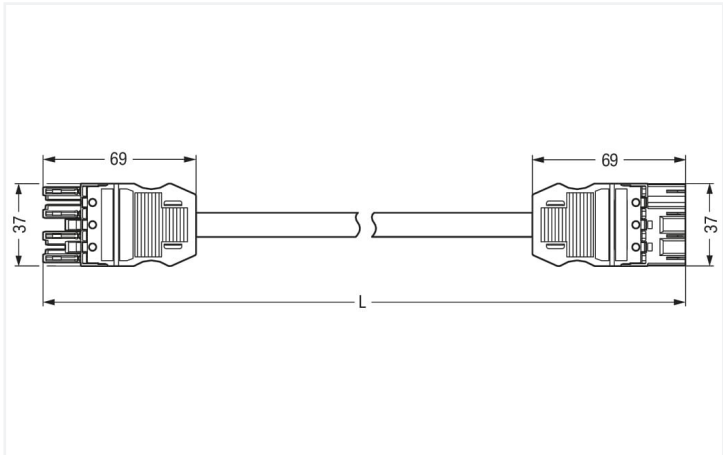




Dimensions in mm

Cable assembly *WINSTA*® MIDI B coding

The *WINSTA*® MIDI cable assembly with protection against mismating provides the foundation for assembly of solid and fine-stranded conductors. The pluggable installation connectors with spring pressure connection technology work completely without screw connections. They allow fast, efficient, error-free installation in a large number of possible uses. For greater protection in electrical installations, the pluggable installation connector is equipped with mechanical 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!)). B coding enables the *WINSTA*® MIDI pluggable installation connectors to be used for application control in the domains of automation, mechanical engineering and robotics. The *WINSTA*® MIDI product line achieves maximum flexibility for the installation. Through its Push-in CAGE CLAMP® spring pressure connection technology, it achieves error-free, time-saving installation and offers customization for meeting all installation requirements. If you need to satisfy stricter safety standards, you should use cables with fire class B2. These are suitable for use in buildings with very high demands on safety. 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

The cable is pre-assembled with a socket and a plug. *WINSTA*® is the pluggable connection system that is optimally tailored to the strict requirements of electrical installation. It offers fast, secure and, above all, error-free installation of components and cables. Choose durability and quality – the *WINSTA*® MIDI pluggable installation connector with protection type IP20 from WAGO makes the installation of electrical components visibly easier.

- protection against mismating eliminates errors
- for automation controllers
- with B coding for use in automation of processes, such as lighting technology
- 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.
Variants:	Other pole markings Other versions (or variants) can be requested from WAGO Sales or configured at https://configurator.wago.com/ .



Electrical data				
Ratings per		IEC/EN 60664-1		
Overvoltage category		III	III	II
Pollution degree		3	2	2
Nominal voltage		400 V	-	-
Rated surge voltage		6 kV	-	-
Rated current		10 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

Connection data		
Total number of potentials	4	

Connection 1	
Pole number	4
Sheathed cable diameter	7.1 ... 9 mm
Wire cross-section	1 mm²
Connection type	Socket - Plug

Physical data		
Pin spacing		10 mm / 0.394 inches
Width		37 mm / 1.457 inches
Total length		7 m

Mechanical data	
Application	Control technology
Coding	B
Variable coding	Yes
Marking	1 2 3 4
Potential marking	1 2 3 4
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 - Plug
Type of pre-assembled cable	Interconnecting cable
Cable type	H05Z1Z1-F 4x1
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
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire class per EN 50575	B2 _{ca}
Contact material	Copper or copper alloy; surface-treated
Contact plating	Tin
Fire load	0.896 MJ
Connector color	light green
Strain relief color	black
Printing color of strain relief	white
Sheathed cable color	gray
Printing color of sheathed cable	black
Halogen-free	Yes
Silicon-free	Yes
Sheath material	Halogen-free
Rubber cable	No
Weight	660.8 g
Copper weight of the pipe	0.0384 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	4055143760119
Customs tariff number	85444290900



Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

Downloads

Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 771-9294/015-705	

CAD/CAE-Data	
CAE data	
EPLAN Data Portal 771-9294/015-705	

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.: 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