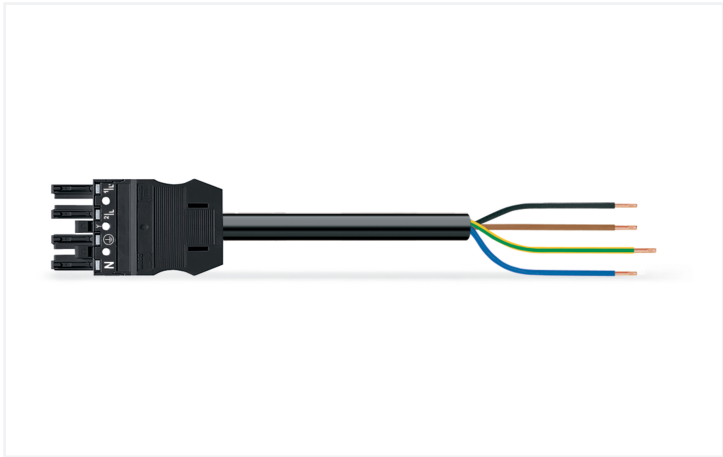
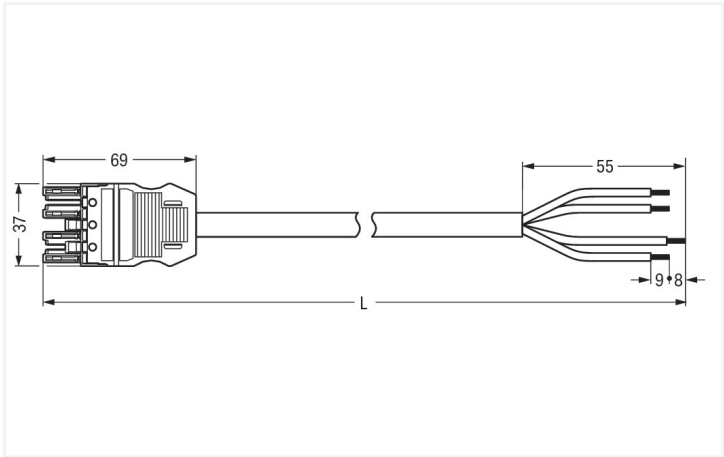




Color: ■ black



Dimensions in mm

Cable assembly *WINSTA*® MIDI rated current 16 A

The *WINSTA*® MIDI cable assembly with protection against mismating is the pluggable solution for your application in control cabinets, on PCBs or for lighting connections. WAGO pluggable installation connectors are used when requirements repeat or are distributed on a defined pattern, for example for installing grid lighting or flush-mount lighting. The coding options reduce installation errors, allowing fast, secure wiring of all components. 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 energised elements. General mains applications for almost any domain of use can be realised with *WINSTA*® MIDI pluggable installation connectors with A coding. Our *WINSTA*® MIDI product line allows flexibility for the installation of applications. Through its Push-in CAGE CLAMP® spring pressure connection technology, it ensures time-saving, error-free installation and offers customization and flexibility for meeting all installation requirements. Building safety must be ensured at all times, even after the electrical installation stage. The required safety requirements in connection with EU CPR are fully satisfied by this product through fire class E. In the production of this cable assembly, halogens were deliberately omitted. That is an important contribution to climate protection.

Fast, secure pluggable connections – cable assemblies from WAGO

The cable assembly is provided with a socket and a free end. *WINSTA*® is the pluggable connection system that is ideally tailored to the strict requirements of electrical installation. It ensures fast, secure and, above all, error-free installation of components and cables. Choose quality and durability – with protection against mismating from WAGO makes the installation of electrical components substantially easier.

- pluggable installation connectors with protection against mismating
- for automation controllers
- with A coding for use in a large number of general mains applications
- custom-engineered solutions
- fast, secure 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		400 V	-	-
Rated impulse withstand voltage		6 kV	-	-
Rated current		16 A	-	-
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	
PE function	Preceding PE contact	Strip length	9 mm / 0.35 inches
Conductor preparation	ultrasonically tip-bonded	Pole number	4
		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	37 mm / 1.457 inches	
Height	12.9 mm / 0.508 inches	
Total length	3 m	

Mechanical data	
Use	General mains applications
Coding	A
Variable coding	Yes
Marking	N ⊕ 2/L 1/L'
Potential marking	N ⊕ 2/L 1/L'
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 4G1.5
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		90.078 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		Yes
Silicon-free		Yes
Sheath material		Halogen-free
Rubber cable		No
Weight		369.3 g
Copper weight of the raw cable		0.058 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		
PU (SPU)		1 pcs
Packaging type		unpacked
Country of origin		DE
GTIN		4045454505851
Customs tariff number		85444290900

Product Classification		
UNSPSC		26121629
eCl@ss 10.0		27-44-06-04
eCl@ss 9.0		27-44-06-04
ETIM 9.0		EC002587
ETIM 10.0		EC002587
ECCN		NO US CLASSIFICATION

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

Declarations of conformity and manufacturer's declarations

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 771-9994/116-301



Documentation

Bid Text			
771-9994/116-301	19.02.2019	xml 2.99 KB	
771-9994/116-301	05.12.2014	doc 25.50 KB	



CAD/CAE-Data

CAE data
EPLAN Data Portal 771-9994/116-301
WSCAD Universe 771-9994/116-301



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
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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

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