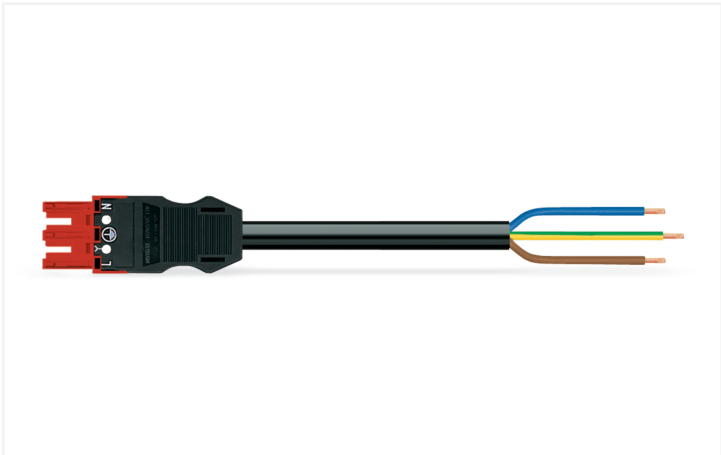




Color: ■ red



Dimensions in mm

Cable assembly WINSTA® MIDI with protection against mismating

The WINSTA® MIDI cable assembly 3-pole supports fast, reliable installation. WAGO pluggable installation connectors are used when requirements repeat or are distributed on a specific 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 offers protection against contact with live components in accordance with protection type IP20 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). WINSTA® MIDI pluggable installation connectors with P coding are utilised when an uninterruptible power supply is required. This pluggable installation connector can be employed for a voltage load of up to 20 A. As a result, it can also be used for high power loads. Our WINSTA® MIDI product line allows maximum flexibility for the electrical installation. With its Push-in CAGE CLAMP® spring pressure connection technology, it guarantees time-saving, error-free installation and offers flexibility and customization for meeting an enormous variety of installation requirements. This product meets all the relevant fire protection requirements of fire class E; thus it can be used in areas where fire safety is relevant.

Pluggable connections instead of screw 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 allows fast, secure and, above all, error-free installation of components and cables. Choose durability and quality – with protection against mismating from WAGO makes the electrical installation of electrical components noticeably easier.

- pluggable installation connectors with protection against mismating
- simple circuits
- with P coding for use in implementing an uninterruptible power supply
- flexible installation to save space
- fast, secure installation

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	250 V	-	-		
Rated surge voltage	4 kV	-	-		
Rated current	20 A	-	-		

Connection data

Total number of potentials	3
PE function	Preceding PE contact
Conductor preparation	ultrasonically tip-bonded

Connection 1

Strip length	9 mm / 0.35 inches
Pole number	3
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	27 mm / 1.063 inches
Height	12.9 mm / 0.508 inches
Total length	7 m

Mechanical data

Use	EDV (UPS)
Coding	P
Variable coding	No
Marking	L ⊕ N
Potential marking	L ⊕ N
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	H05VV-F 3G2.5
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	red	
Insulation material (main housing)	Polyamide (PA66)	
Fire class per EN 50575	E _{ca}	
Contact material	Copper or copper alloy; surface-treated	
Contact Plating	Tin	
Fire load	209.71 MJ	
Connector color	red	
Strain relief color	black	
Printing color of strain relief	white	
Sheathed cable color	black	
Printing color of sheathed cable	white	
Halogen-free	No	
Silicon-free	Yes	
Sheath material	PVC	
Rubber cable	No	
Weight	1120.7 g	
Copper weight of the pipe	0.072 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	4045454402297	
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			↓
771-9973/107-701			

Documentation

Bid Text			
771-9973/107-701	19.02.2019	xml 2.98 KB	↓
771-9973/107-701	05.12.2014	doc 26.50 KB	↓

CAD/CAE-Data

CAE data	
WSCAD Universe	↓
771-9973/107-701	

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.: 897-2003
Protective cap; Type2; 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