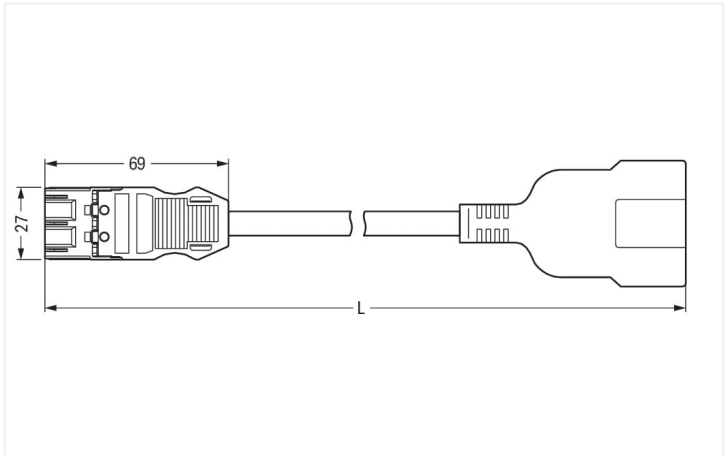




Color: ■ black



Dimensions in mm

Cable assembly WINSTA® MIDI with strain relief

The WINSTA® MIDI cable assembly A coding allows installation of solid and fine-stranded conductors. On PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to make connections according to various requirements in next to no time. The coding options reduce installation errors, allowing fast, secure wiring of all components. 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!)). Thanks to the color coding and mechanical A coding of WINSTA® MIDI pluggable installation connectors, you can clearly distinguish different circuits. The WINSTA® MIDI product line offers flexibility for the installation. With its Push-in CAGE CLAMP® spring pressure connection technology, it ensures time-saving, error-free installation and offers 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.

Pluggable connections instead of screw connections – cable assemblies from WAGO

A plug and a SCHUKO socket are available. The WINSTA® Pluggable Connection System is perfectly tailored to the strict requirements of building installation. It makes electrical installation pluggable, and therefore more efficient, more reliable, and error-free. Use of this pre-assembled system reduces time spent on assembly and installation errors at the construction site. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with strain relief hosting from WAGO.

- protection against mismatching eliminates errors
- for automation controllers
- with A coding for a great number of applications
- custom-engineered solutions
- rapid, structured electrical 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		16 A	-	-		



Connection data

Total number of potentials	3	Connection 1	
PE function	Preceding PE contact	Pole number	3
		Wire cross-section	1.5 mm²
		Connection type	Plug - SCHUKO socket

Physical data

Pin spacing	10 mm / 0.394 inches
Width	54 mm / 2.126 inches
Height	54 mm / 2.126 inches
Total length	3 m

Mechanical data

Use	General mains applications
Coding	A
Variable coding	Yes
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	Plug - SCHUKO socket
Type of pre-assembled cable	Adapter cable
Cable type	H05VV-F 3G1.5
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	black
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	30.327 MJ
Connector color	black
Strain relief color	black
Printing color of strain relief	white
Sheathed cable color	black



Material data	
Halogen-free	No
Silicon-free	Yes
Sheath material	PVC
Rubber cable	No
Weight	432.1 g
Copper weight of the pipe	0.043 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	
Product Group	20 (Winsta)
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	4044918272216
Customs tariff number	85444290900

Environmental Product Compliance	
CAS-No.	7439-92-1
REACH Candidate List Substance	Lead
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	6(c)
SCIP notification number (Austria)	ae079c5b-cb8f-40d9-9b24-75d573266e2d
SCIP notification number (Belgium)	790fe999-092f-49ee-a538-1b24bc081933
SCIP notification number (Bulgaria)	a963b7a8-0d6e-4372-891e-0e1ea1669fcf
SCIP notification number (Czech Republic)	285f01cc-173e-4da4-969c-662f2cbc3b03
SCIP notification number (Denmark)	0ca6e530-0e83-4711-a300-cb8d8384c0bd
SCIP notification number (Finland)	2b8699e9-a401-4168-94a1-cc484d5f78e6
SCIP notification number (France)	82623eaa-c0cd-4f4a-92cc-d239a49e4973
SCIP notification number (Germany)	71d4cf72-5259-4a3e-8fe9-9e22aa438111
SCIP notification number (Hungary)	4146676f-a5b6-4ad0-9b6c-57afcefaa0fa
SCIP notification number (Italy)	2b6f8ac5-c4ce-4a94-8177-37ddd033c41e
SCIP notification number (Netherlands)	67dd9371-31d7-4265-8ebe-10d2476e0ffd
SCIP notification number (Poland)	4b21894c-c46a-46da-aa3f-e4713a214ac2
SCIP notification number (Romania)	acd0981d-97d4-493d-9b0b-04308fe47d21
SCIP notification number (Sweden)	5c58fbe4-4c04-48d2-813e-4864614f4105



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance
771-9993/406-301

↓

Documentation

Bid Text

771-9993/406-301	19.02.2019	xml 2.91 KB	↓
771-9993/406-301	04.12.2014	doc 23.00 KB	↓

CAD/CAE-Data

CAE data

EPLAN Data Portal
771-9993/406-301

↓

WSCAD Universe
771-9993/406-301

↓

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

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

[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