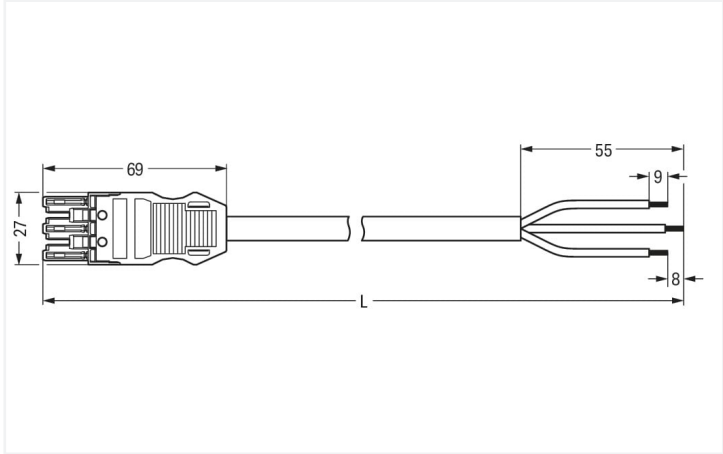


Color: white



Dimensions in mm

Cable assembly WINSTA® MIDI with strain relief

The WINSTA® MIDI cable assembly with protection against mismating allows assembly of fine-stranded and solid conductors. Our pluggable installation connectors with spring pressure connection technology function without screw connections. They allow flexible, error-free installation in a large number of applications. 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!)). Standard mains applications for almost any domain of use can be realised with WINSTA® MIDI pluggable installation connectors with A coding. WINSTA® MIDI with Push-in CAGE CLAMP® spring pressure connection technology is found in can be found in a variety of projects you can use for quick, easy and maximally flexible installation. According to the European CPR, the fire class of the cables used in construction is critical for the safety of buildings as well. For houses with average safety requirements, cable assemblies with fire class E are suitable.

Pluggable connections instead of screw connections – cable assemblies from WAGO

The cable assembly is equipped with a socket and a free end. The WINSTA® Pluggable Connection System is perfectly tailored to the strict requirements of building installation. It makes electrical installation pluggable, and therefore faster, more reliable, and error-free. Use of this pre-assembled system decreases assembly times and errors during installation at the construction site. Choose durability and quality – with protection against mismating from WAGO makes the electrical installation of electrical components substantially easier.

- protection against mismating eliminates errors
- pre-assembled versions
- suitable for any application
- custom-engineered solutions
- convenient installation and commissioning

| 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 |
|----------------------------|--|

Connection data

| | | | |
|----------------------------|---------------------------|---------------------------------|--------------------|
| Total number of potentials | 3 | Connection 1 | |
| PE function | Preceding PE contact | Strip length | 9 mm / 0.35 inches |
| Conductor preparation | ultrasonically tip-bonded | Pole number | 3 |
| | | Sheathed cable diameter | 7.4 ... 9.4 mm |
| | | 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 | 27 mm / 1.063 inches |
| Height | 12.9 mm / 0.508 inches |
| Total length | 2 m |

Mechanical data

| | |
|---|---|
| Application | 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 | Socket - free end |
| Type of pre-assembled cable | Connecting 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 | | white |
| Insulation material | | Polyamide (PA66) |
| Fire class per EN 50575 | | E _{ca} |
| Contact material | | Copper or copper alloy; surface-treated |
| Contact plating | | Tin |
| Fire load | | 59.722 MJ |
| Connector color | | white |
| Strain relief color | | white |
| Printing color of strain relief | | black |
| Sheathed cable color | | white |
| Printing color of sheathed cable | | black |
| Halogen-free | | No |
| Silicon-free | | Yes |
| Sheath material | | PVC |
| Rubber cable | | No |
| Weight | | 210.3 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 | | |
|-----------------------|--|---------------|
| 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 | | 4044918587617 |
| Customs tariff number | | 85444290900 |

| 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 |



| | | | |
|----------------------------------|------------------|--|--|
| Downloads | | | |
| Environmental Product Compliance | | | |
| Compliance Search | | | |
| Environmental Product Compliance | 771-9993/106-202 | | |
| | | | |

| | | | |
|------------------|------------|-----------------|--|
| Documentation | | | |
| Bid Text | | | |
| 771-9993/106-202 | 19.02.2019 | xml 2.97 KB | |
| 771-9993/106-202 | 04.12.2014 | doc 25.00 KB | |

| | | | |
|--------------|------------------|-------------------|------------------|
| CAD/CAE-Data | | | |
| CAD data | | CAE data | |
| 2D/3D Models | 771-9993/106-202 | EPLAN Data Portal | 771-9993/106-202 |
| | | | |
| | | WSCAD Universe | 771-9993/106-202 |
| | | | |
| | | ZUKEN Portal | 771-9993/106-202 |
| | | | |

| | | | |
|---|---|---|---|
| 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