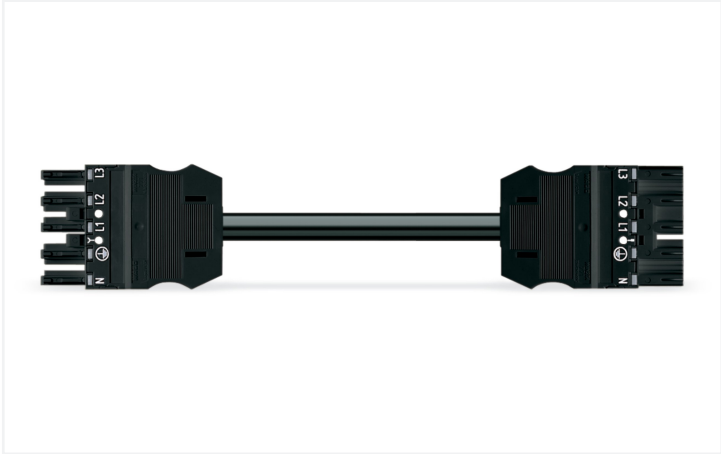
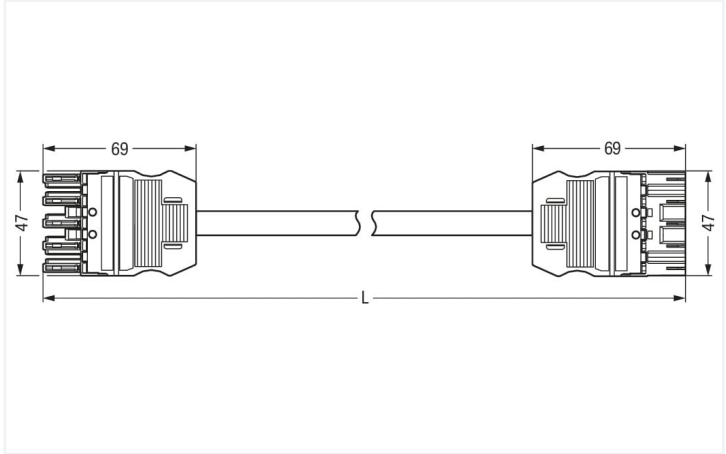




Color: ■ black



Dimensions in mm

Cable assembly WINSTA® MIDI A coding

The WINSTA® MIDI cable assembly A coding is the pluggable solution for your application in control cabinets, for lighting connections or on PCBs. On PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to make connections according to many different requirements in seconds. The color coding and mechanical coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismatching. 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!)). The WINSTA® MIDI pluggable installation connector with A coding in black or white is usually used for general mains applications in power distribution. 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, secure, tailored installation. Building safety must be ensured at all times, even after the electrical installation stage. The required safety requirements in connection with EU CPR are met by this product through fire class E.

Fast, error-free assembly thanks to cable assemblies from WAGO

The cable assembly is provided with a socket and a plug. The WINSTA® Pluggable Connection System is perfectly tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and consequently faster, more reliable, and error-free. Use of this pre-assembled system decreases assembly times and errors during installation at the construction site. Now you can also cut installation expenses without compromising safety and quality: with strain relief hosting reduces the need for servicing and prevents unnecessary downtime.

- protection against mismatching eliminates errors
- pre-assembled versions
- for any mains application
- ready to install and use immediately
- 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      | 400 V | -              | -  |  |                                                 |  |
| Rated surge voltage  | 6 kV  | -              | -  |  |                                                 |  |
| Rated current        | 16 A  | -              | -  |  |                                                 |  |



Connection data

|                            |                      |                    |               |
|----------------------------|----------------------|--------------------|---------------|
| Total number of potentials | 5                    | Connection 1       |               |
| PE function                | Preceding PE contact | Pole number        | 5             |
|                            |                      | Wire cross-section | 1.5 mm²       |
|                            |                      | Connection type    | Socket - Plug |

Physical data

|              |                         |
|--------------|-------------------------|
| Pin spacing  | 10 mm / 0.394 inches    |
| Width        | 47 mm / 1.85 inches     |
| Height       | 15.38 mm / 0.606 inches |
| Total length | 5 m                     |

Mechanical data

|                                         |                                                                                                               |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Use                                     | General mains applications                                                                                    |
| Coding                                  | A                                                                                                             |
| Variable coding                         | Yes                                                                                                           |
| Marking                                 | N ⊕ L1 L2 L3                                                                                                  |
| Potential marking                       | N ⊕ L1 L2 L3                                                                                                  |
| 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                              | H05VV-F 5G1.5                                                                                                 |
| 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:<br>a.) plugging different numbers of poles<br>b.) plugging while rotated 180<br>c.) plugging while laterally staggered<br>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)               | <a href="#">Information on material specifications can be found here</a> |
| Color                              | black                                                                    |
| Insulation material (main housing) | Polyamide (PA66)                                                         |
| Flammability class per UL94        | V0                                                                       |
| Fire class per EN 50575            | E <sub>ca</sub>                                                          |
| Contact material                   | Copper or copper alloy; surface-treated                                  |
| Contact Plating                    | Tin                                                                      |
| Fire load                          | 150.299 MJ                                                               |
| Connector color                    | black                                                                    |
| Strain relief color                | black                                                                    |
| Printing color of strain relief    | white                                                                    |



| Material data                    |            |
|----------------------------------|------------|
| Sheathed cable color             | black      |
| Printing color of sheathed cable | white      |
| Halogen-free                     | No         |
| Silicon-free                     | Yes        |
| Sheath material                  | PVC        |
| Rubber cable                     | No         |
| Weight                           | 820 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)<br>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                  | 4044918588485 |
| Customs tariff number | 85444290900   |

| Environmental Product Compliance |                        |
|----------------------------------|------------------------|
| RoHS Compliance Status           | Compliant,No Exemption |

| Approvals / Certificates                                |          |                                                            |
|---------------------------------------------------------|----------|------------------------------------------------------------|
| General approvals                                       |          | Declarations of conformity and manufacturer's declarations |
| <div><div>CCA</div><div>KEMA<br/>KEUR</div></div>       |          |                                                            |
| Approval                                                | Standard | Certificate Name                                           |
| CCA<br>DEKRA Certification B.V.                         | EN 61535 | NTR NL-7355                                                |
| KEMA/KEUR<br>DEKRA Certification B.V.                   | EN 61535 | 71-123834                                                  |
|                                                         |          |                                                            |
| Approval                                                | Standard | Certificate Name                                           |
| EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG | -        | -                                                          |
| UK-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG | -        | -                                                          |



|                                  |                  |  |  |
|----------------------------------|------------------|--|--|
| Downloads                        |                  |  |  |
| Environmental Product Compliance |                  |  |  |
| Compliance Search                |                  |  |  |
| Environmental Product Compliance | 771-9995/006-501 |  |  |

|                  |                  |                 |  |
|------------------|------------------|-----------------|--|
| Documentation    |                  |                 |  |
| Bid Text         |                  |                 |  |
| 771-9995/006-501 | 19.02.2019       | xml<br>2.90 KB  |  |
| 771-9995/006-501 | 10.12.2014       | doc<br>24.00 KB |  |
| ausschreiben.de  | 771-9995/006-501 |                 |  |

|              |                  |                   |                  |
|--------------|------------------|-------------------|------------------|
| CAD/CAE-Data |                  |                   |                  |
| CAD data     |                  | CAE data          |                  |
| 2D/3D Models | 771-9995/006-501 | EPLAN Data Portal | 771-9995/006-501 |
|              |                  | WSCAD Universe    | 771-9995/006-501 |
|              |                  | ZUKEN Portal      | 771-9995/006-501 |
|              |                  |                   |                  |

|                                                                                   |                                                                                   |                                                                                 |                                                                                 |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| 1 Compatible Products                                                             |                                                                                   |                                                                                 |                                                                                 |
| 1.1 Required Accessories                                                          |                                                                                   |                                                                                 |                                                                                 |
| 1.1.1 Locking system                                                              |                                                                                   |                                                                                 |                                                                                 |
| 1.1.1.1 Locking system                                                            |                                                                                   |                                                                                 |                                                                                 |
|                                                                                   |                                                                                   |                                                                                 |                                                                                 |
| Item No.: 770-101<br>Locking lever; for flying leads; for manual operation; black | Item No.: 770-121<br>Locking lever; for flying leads; for manual operation; white | Item No.: 770-111<br>Locking lever; for flying leads; for tool operation; black | Item No.: 770-131<br>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



[Item No.: 897-2005](#)  
Protective cap; Type4; 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