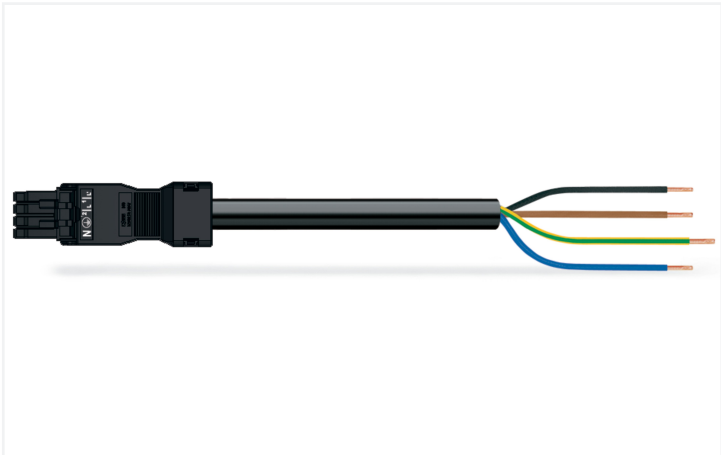
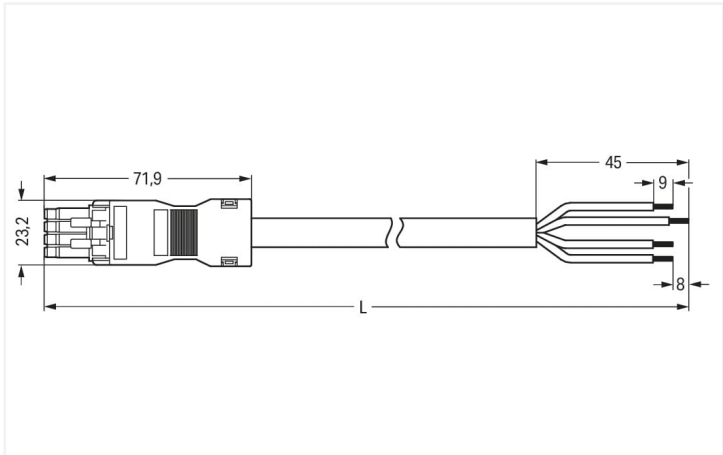




Color: ■ black



Dimensions in mm

Cable assembly WINSTA® MINI with protection against mismating

The WINSTA® MINI cable assembly with protection against mismating is the pluggable solution for your application in control cabinets, on PCBs or for lighting connections. Whether 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. For greater protection in electrical installations, the pluggable installation connector is provided with mechanical protection against mismating. The pluggable installation connector is protected in accordance with protection type IP40. Users' fingers and tools will never come into contact with live elements. General mains applications for almost any domain of use can be implemented with WINSTA® MINI pluggable installation connectors with A coding. Particularly if only limited space is available, our smallest pluggable connection system, WINSTA® MINI, consistently displays its advantageous properties. It is very compact, and, thanks to Push-in CAGE CLAMP® spring pressure connection technology, it also can be installed quickly, since the connection is low-maintenance and can be performed without screw connections. According to the European CPR, the fire class of the cables used for construction is critical for building safety as well. For buildings with medium-level safety requirements, cable assemblies with fire class E are suitable.

Pluggable connections instead of screw connections – cable assemblies from WAGO

The cable is pre-assembled with a socket and a free end. The WINSTA® Pluggable Connection System is ideally tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and therefore more efficient, more reliable, and error-free. Using this pre-assembled system reduces assembly times and errors during installation at the construction site. Enjoy the benefits of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with fire class E from WAGO.

- pluggable installation connectors with protection against mismating
- easy tool-free operation, a wide range of coding options
- with A coding for a large number of applications
- ready to install and use immediately
- 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      |  | 400 V          | -   | -  |                                                 |  |
| Rated surge voltage  |  | 6 kV           | -   | -  |                                                 |  |
| Rated current        |  | 16 A           | -   | -  |                                                 |  |



| 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) | 45 mm              |
|                            |                           | Connection type                 | Socket - free end  |

| Physical data |  |                        |  |
|---------------|--|------------------------|--|
| Pin spacing   |  | 4.4 mm / 0.173 inches  |  |
| Width         |  | 23.2 mm / 0.913 inches |  |
| Height        |  | 16 mm / 0.63 inches    |  |
| Total length  |  | 5 m                    |  |

| Mechanical data                         |  |                                                               |  |
|-----------------------------------------|--|---------------------------------------------------------------|--|
| Use                                     |  | General mains applications                                    |  |
| Coding                                  |  | A                                                             |  |
| Variable coding                         |  | No                                                            |  |
| 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                              |  | H05VV-F 4G1.5                                                 |  |
| Protection type                         |  | IP40                                                          |  |

| 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)                                                         |  |
| Fire class per EN 50575            |  | E <sub>ca</sub>                                                          |  |
| Contact material                   |  | Copper or copper alloy; surface-treated                                  |  |
| Contact Plating                    |  | Tin                                                                      |  |
| Fire load                          |  | 149.955 MJ                                                               |  |
| Connector color                    |  | black                                                                    |  |
| Strain relief color                |  | black                                                                    |  |



| 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                           | 659.4 g    |
| Copper weight of the pipe        | 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)<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     | PL            |
| GTIN                  | 4055143403986 |
| Customs tariff number | 85444290900   |

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

| Approvals / Certificates |  |
|--------------------------|--|
| General approvals        |  |



| Approval                              | Standard | Certificate Name |
|---------------------------------------|----------|------------------|
| CCA<br>DEKRA Certification B.V.       | EN 61535 | NTR NL-7971      |
| KEMA/KEUR<br>DEKRA Certification B.V. | EN 61535 | 71-123232        |



Downloads

Environmental Product Compliance

|                                  |  |  |   |
|----------------------------------|--|--|---|
| Compliance Search                |  |  |   |
| Environmental Product Compliance |  |  | ↓ |
| 891-8994/106-501                 |  |  |   |

Documentation

|                  |            |                 |   |
|------------------|------------|-----------------|---|
| Bid Text         |            |                 |   |
| 891-8994/106-501 | 19.02.2019 | xml<br>2.98 KB  | ↓ |
| 891-8994/106-501 | 01.12.2014 | doc<br>24.50 KB | ↓ |

CAD/CAE-Data

|                                       |   |
|---------------------------------------|---|
| CAE data                              |   |
| EPLAN Data Portal<br>891-8994/106-501 | ↓ |
| WSCAD Universe<br>891-8994/106-501    | ↓ |

1 Compatible Products

1.1 Required Accessories

1.1.1 Locking system

1.1.1.1 Locking system



[Item No.: 890-111](#)  
Locking lever; for flying leads; for tool operation; black



[Item No.: 890-131](#)  
Locking lever; for flying leads; for tool operation; white



[Item No.: 890-101](#)  
Locking lever; for manual operation; black



[Item No.: 890-121](#)  
Locking lever; for manual operation; white

1.2 Optional Accessories

1.2.1 Cover

1.2.1.1 Cover



[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.: 890-310](#)  
Mounting carrier; 2- to 5-pole; for flying leads; black

[Item No.: 890-311](#)  
Mounting carrier; 2- to 5-pole; for flying leads; white