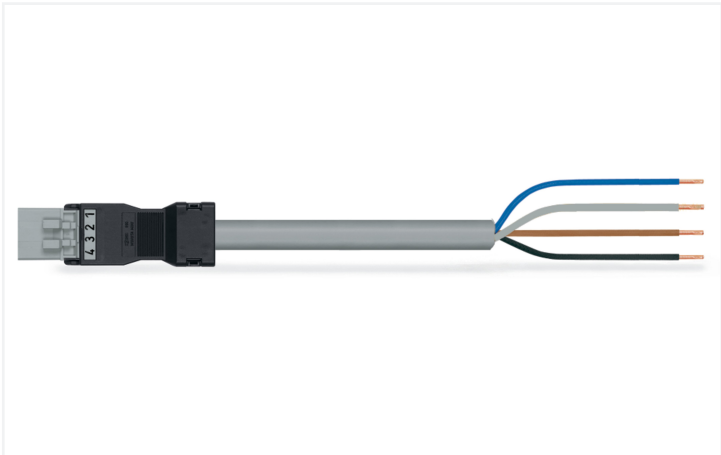
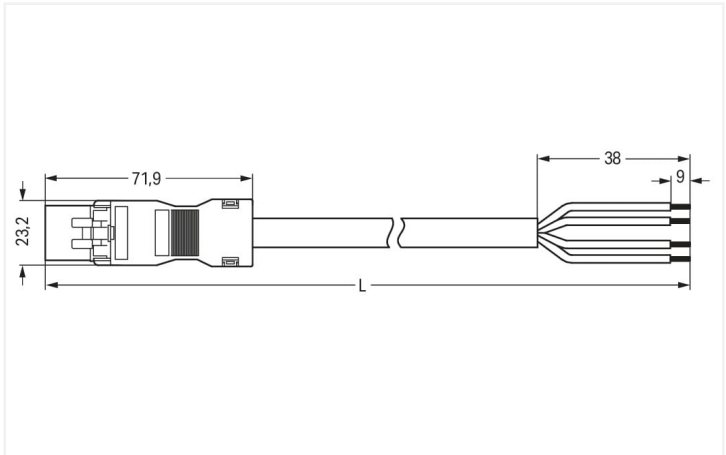




Color: ■ gray



Dimensions in mm

Cable assembly WINSTA® MINI rated current 10 A

The WINSTA® MINI cable assembly with protection against mismatching is the pluggable solution for your use in control cabinets, for lighting connections or on PCBs. Our pluggable installation connectors with spring pressure connection technology work without screw connections. They allow fast, efficient, error-free installation in numerous applications. For greater protection in electrical installations, the pluggable installation connector is provided with mechanical protection against mismatching. Solutions like the WINSTA® MINI pluggable installation connectors with B coding are suitable for applications related to process control, such as for lighting or within data networks. Thanks to its particularly small dimensions, our WINSTA® MINI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology is especially suitable in very restricted spaces, i.e., for connections when very little room is available. Building safety must be ensured at all times, even after the electrical installation stage. The mandatory 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 free end are provided. The WINSTA® Pluggable Connection System is perfectly tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and thus faster, even more reliable, and error-free. Using this pre-assembled system decreases assembly times and installation errors at the construction site. Now you can also reduce installation expenses without compromising safety and quality: with protection against mismatching eliminates the need for servicing and prevents unnecessary downtime.

- pluggable installation connectors with protection against mismatching
- easy tool-free operation, a wide range of coding options
- with B coding for controllers such as sun blinds and lighting fixtures
- custom-engineered solutions
- fast, secure installation

| Notes     |                                                                                                                                                                                     |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note      | Cables with a different fire class can be found in the eShop.                                                                                                                       |
| Variants: | Other pole markings<br>Other versions (or variants) can be requested from WAGO Sales or configured at <a href="https://configurator.wago.com/">https://configurator.wago.com/</a> . |

| 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        |  | 10 A           | -   | -  |                                                 |  |



Connection data

|                            |                           |                                 |                    |
|----------------------------|---------------------------|---------------------------------|--------------------|
| Total number of potentials | 4                         | Connection 1                    |                    |
| Conductor preparation      | ultrasonically tip-bonded | Strip length                    | 9 mm / 0.35 inches |
|                            |                           | Pole number                     | 4                  |
|                            |                           | Wire cross-section              | 1 mm²              |
|                            |                           | Strip length (outer insulation) | 38 mm              |
|                            |                           | Connection type                 | Plug - 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 | 3 m                    |

Mechanical data

|                                         |                                                               |
|-----------------------------------------|---------------------------------------------------------------|
| Use                                     | Control technology                                            |
| Coding                                  | B                                                             |
| Variable coding                         | No                                                            |
| Marking                                 | 1 2 3 4                                                       |
| Potential marking                       | 1 2 3 4                                                       |
| 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 - free end                                               |
| Type of pre-assembled cable             | Connecting cable                                              |
| Cable type                              | Control line 4x1                                              |
| Protection type                         | IP20; IP40 when mated                                         |

Plug-in connection

|                               |                                                                                                                                                                                                                                                                                                                  |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mismating protection          | Yes                                                                                                                                                                                                                                                                                                              |
| Note on mismating protection  | All WINSTA® 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                              | gray                                                                     |
| 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                          | 0.319 MJ                                                                 |
| Connector color                    | gray                                                                     |
| Strain relief color                | black                                                                    |



| Material data                    |             |
|----------------------------------|-------------|
| Sheathed cable color             | gray        |
| Printing color of sheathed cable | black       |
| Halogen-free                     | No          |
| Silicon-free                     | Yes         |
| Sheath material                  | PVC         |
| Rubber cable                     | No          |
| Weight                           | 249.1 g     |
| Copper weight of the pipe        | 0.0384 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                  | 4050821295655 |
| Customs tariff number | 85444290900   |

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

Downloads

Environmental Product Compliance

| Compliance Search                                    |                                                                                     |
|------------------------------------------------------|-------------------------------------------------------------------------------------|
| Environmental Product Compliance<br>891-8994/205-303 |  |

Documentation

| Bid Text         |            |                 |                                                                                     |
|------------------|------------|-----------------|-------------------------------------------------------------------------------------|
| 891-8994/205-303 | 19.02.2019 | xml<br>2.99 KB  |  |
| 891-8994/205-303 | 02.12.2014 | doc<br>25.00 KB |  |



| CAD/CAE-Data                          |                                                                                   |
|---------------------------------------|-----------------------------------------------------------------------------------|
| CAE data                              |                                                                                   |
| EPLAN Data Portal<br>891-8994/205-303 |  |
| WSCAD Universe<br>891-8994/205-303    |  |

| 1 Compatible Products    |
|--------------------------|
| 1.1 Required Accessories |
| 1.1.1 Locking system     |
| 1.1.1.1 Locking system   |



|                                                                                                 |                                                                                                 |                                                                                 |                                                                                 |
|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| <a href="#">Item No.: 890-111</a><br>Locking lever; for flying leads; for tool operation; black | <a href="#">Item No.: 890-131</a><br>Locking lever; for flying leads; for tool operation; white | <a href="#">Item No.: 890-101</a><br>Locking lever; for manual operation; black | <a href="#">Item No.: 890-121</a><br>Locking lever; for manual operation; white |
|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------|

|                          |
|--------------------------|
| 1.2 Optional Accessories |
| 1.2.1 Cover              |
| 1.2.1.1 Cover            |



|                                                                                              |
|----------------------------------------------------------------------------------------------|
| <a href="#">Item No.: 897-2003</a><br>Protective cap; Type2; for sockets and plugs; PVC; red |
|----------------------------------------------------------------------------------------------|

|                              |
|------------------------------|
| 1.2.2 Installation           |
| 1.2.2.1 Mounting accessories |



|                                                                                              |                                                                                              |
|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| <a href="#">Item No.: 890-310</a><br>Mounting carrier; 2- to 5-pole; for flying leads; black | <a href="#">Item No.: 890-311</a><br>Mounting carrier; 2- to 5-pole; for flying leads; white |
|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|

Subject to changes. Please also observe the further product documentation!

Current addresses can be found at: [www.wago.com](https://www.wago.com)