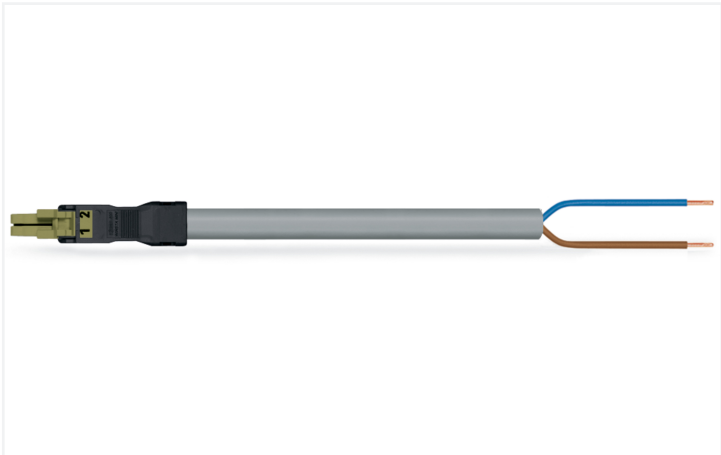




Color: ■ light green



Dimensions in mm

Cable assembly WINSTA® MINI with protection type IP40

For power and signal transmission: The WINSTA® MINI cable assembly 2-pole. WAGO pluggable installation connectors are useful when requirements repeat or are planned on a defined grid, for example for installing grid lighting or flush-mount lighting. For greater protection in electrical installations, the pluggable installation connector is equipped with mechanical protection against mismatching. The pluggable installation connector is protected against ingress by solid granular objects with a diameter of less than 1 mm in accordance with protection type IP40. B coding enables the WINSTA® MINI pluggable installation connectors to be used for control in applications in the domains of automation, robotics, and mechanical engineering. WINSTA® MINI follows the trend towards miniaturisation. Our smallest pluggable connection system is primarily suited for lights, for example, since as a result of LED technology; due to complex systems, these offer much less space for the connection technology. 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.

Pluggable connections instead of screw connections – cable assemblies from WAGO

The cable assembly is provided with a socket and a free end. WINSTA® is the pluggable connection system that is perfectly tailored to the strict requirements of electrical installation. It ensures error-free installation of cables and components, quickly and reliably. Choose quality and durability – with protection type IP40 from WAGO makes the installation of electrical components noticeably easier.

- protection against mismatching eliminates errors
- easy tool-free operation, a wide range of coding options
- for automation controllers
- exact dimensions
- quick replacement of defective units during ongoing operation

| 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      | 250 V | -              | -   | -  |                                                 |  |
| Rated surge voltage  | 4 kV  | -              | -   | -  |                                                 |  |
| Rated current        | 16 A  | -              | -   | -  |                                                 |  |



| Connection data            |                           |                                 |                    |
|----------------------------|---------------------------|---------------------------------|--------------------|
| Total number of potentials | 2                         | Connection 1                    |                    |
| Conductor preparation      | ultrasonically tip-bonded | Strip length                    | 9 mm / 0.35 inches |
|                            |                           | Pole number                     | 2                  |
|                            |                           | Wire cross-section              | 1.5 mm²            |
|                            |                           | Strip length (outer insulation) | 32 mm              |
|                            |                           | Connection type                 | Socket - free end  |

| Physical data |  |                        |  |
|---------------|--|------------------------|--|
| Pin spacing   |  | 4.4 mm / 0.173 inches  |  |
| Width         |  | 15.6 mm / 0.614 inches |  |
| Height        |  | 13.2 mm / 0.52 inches  |  |
| Total length  |  | 4 m                    |  |

| Mechanical data                         |  |                                                               |  |
|-----------------------------------------|--|---------------------------------------------------------------|--|
| Use                                     |  | Control technology                                            |  |
| Coding                                  |  | B                                                             |  |
| Variable coding                         |  | No                                                            |  |
| Marking                                 |  | 1 2                                                           |  |
| Potential marking                       |  | 1 2                                                           |  |
| 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                              |  | Control line 2x1.5                                            |  |
| Protection type                         |  | IP40                                                          |  |

| 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                              |  | light green                                                              |  |
| 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                          |  | 0.13 MJ                                                                  |  |
| Connector color                    |  | light green                                                              |  |
| 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                           | 264.6 g    |
| Copper weight of the pipe        | 0.029 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                  | 4055143511230 |
| Customs tariff number | 85444290900   |

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

Downloads

| Environmental Product Compliance                     |  |
|------------------------------------------------------|--|
| Compliance Search                                    |  |
| Environmental Product Compliance<br>891-8992/106-405 |  |

Documentation

| Bid Text         |            |                 |  |
|------------------|------------|-----------------|--|
| 891-8992/106-405 | 19.02.2019 | xml<br>3.03 KB  |  |
| 891-8992/106-405 | 02.12.2014 | doc<br>25.00 KB |  |



CAD/CAE-Data

CAE data

EPLAN Data Portal  
891-8992/106-405

↓

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.: 897-2001](#)  
Protective cap; Type1; 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