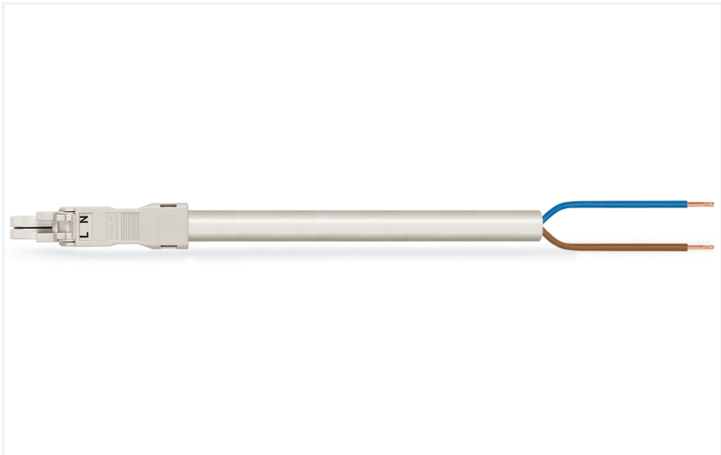
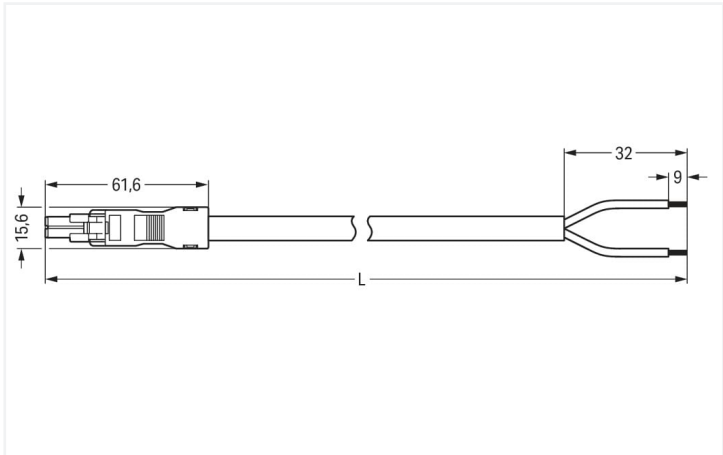




Color:   white



Dimensions in mm

Cable assembly WINSTA® MINI with protection against mismating

For signal and power transmission: The WINSTA® MINI cable assembly A coding. On PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to establish connections according to a huge variety of requirements in next to no time. The mechanical coding and color coding of the pluggable installation connector ensure error-free installation of the individual components – including 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. Thanks to the color coding and mechanical A coding of WINSTA® MINI pluggable installation connectors, you can clearly distinguish different circuits. WINSTA® MINI follows the trend towards miniaturisation. Our smallest pluggable connection system is especially suitable for lights, for instance, since due to LED technology, these offer much less space for the connection technology. Of course, the safety of buildings must always be ensured, even after the electrical installation has been performed. The required safety requirements in connection with EU CPR are fully satisfied by this product through fire class E. Not using halogen additives in the manufacture of this cable assembly noticeably increases fire safety and reduces environmental pollution.

Pluggable connections instead of screw connections – cable assemblies from WAGO

A socket and a free end are provided. The WINSTA® Pluggable Connection System allows pluggable electrical installation. This saves time, lowers costs, and reduces the need for servicing. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with marking from WAGO.

- pluggable installation connectors with protection against mismating
- consistent IP40 protection
- with A coding for use in a large number of general mains applications
- exact dimensions
- rapid, structured electrical installation

| Notes |                                                               |
|-------|---------------------------------------------------------------|
| Note  | Cables with a different fire class can be found in the eShop. |

| Electrical data      |       |                |    |                            |                                                                                          |
|----------------------|-------|----------------|----|----------------------------|------------------------------------------------------------------------------------------|
| Ratings per          |       | IEC/EN 60664-1 |    | General information        |                                                                                          |
| Overvoltage category | III   | III            | II |                            |                                                                                          |
| Pollution degree     | 3     | 2              | 2  |                            |                                                                                          |
| Nominal voltage      | 250 V | -              | -  |                            |                                                                                          |
| Rated surge voltage  | 4 kV  | -              | -  |                            |                                                                                          |
| Rated current        | 10 A  | -              | -  |                            |                                                                                          |
|                      |       |                |    | Note on contact resistance | approx. 1 mΩ of contact resistance<br>approx. 0.25 mΩ contact transition plug/<br>socket |



| Connection data                 |                           |                     |
|---------------------------------|---------------------------|---------------------|
| Total number of potentials      | 2                         | <b>Connection 1</b> |
| Conductor preparation           | ultrasonically tip-bonded |                     |
| Strip length                    | 9 mm / 0.35 inches        |                     |
| Pole number                     | 2                         |                     |
| Wire cross-section              | 1 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  |  | 2 m                    |

| Mechanical data                         |  |                                                               |
|-----------------------------------------|--|---------------------------------------------------------------|
| Use                                     |  | General mains applications                                    |
| Coding                                  |  | A                                                             |
| Variable coding                         |  | No                                                            |
| 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                              |  | H05Z1Z1-F 2x1                                                 |
| 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                              |  | white                                                                    |
| 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                          |  | 59.642 MJ                                                                |
| Connector color                    |  | white                                                                    |
| Strain relief color                |  | white                                                                    |



| Material data                    |              |
|----------------------------------|--------------|
| Sheathed cable color             | white        |
| Printing color of sheathed cable | black        |
| Halogen-free                     | Yes          |
| Silicon-free                     | Yes          |
| Sheath material                  | Halogen-free |
| Rubber cable                     | No           |
| Weight                           | 118.9 g      |
| Copper weight of the pipe        | 0.0192 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                  | 4055143392396 |
| Customs tariff number | 85444290900   |

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

Downloads

Environmental Product Compliance

| Compliance Search                                    |  |
|------------------------------------------------------|--|
| Environmental Product Compliance<br>891-8992/115-202 |  |

Documentation

| Bid Text         |            |                 |  |
|------------------|------------|-----------------|--|
| 891-8992/115-202 | 19.02.2019 | xml<br>3.01 KB  |  |
| 891-8992/115-202 | 21.11.2014 | doc<br>24.00 KB |  |



| CAD/CAE-Data                          |                                                                                   |
|---------------------------------------|-----------------------------------------------------------------------------------|
| CAE data                              |                                                                                   |
| EPLAN Data Portal<br>891-8992/115-202 |  |
| WSCAD Universe<br>891-8992/115-202    |  |

| 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.: 897-2001</a><br>Protective cap; Type1; 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 |
|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|