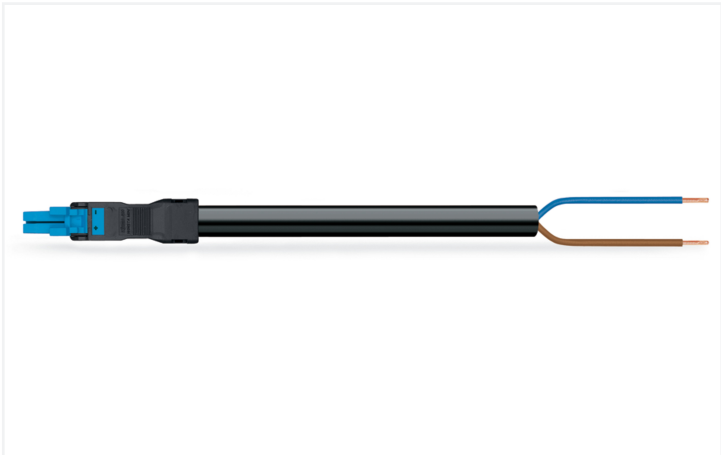




Color: ■ blue



Dimensions in mm

Cable assembly WINSTA® MINI with protection against mismatching

The WINSTA® MINI cable assembly with protection type IP40 provides the foundation for installation of fine-stranded and solid conductors. WAGO pluggable installation connectors are useful when criteria repeat or are distributed on a specified grid, for example for installing grid lighting or flush-mount lighting. The coding options reduce installation errors, allowing fast, maintenance-free wiring of all components. The pluggable installation connector is protected against ingress by solid granular objects with a diameter below 1 mm in accordance with protection type IP40. I coding in blue is used to mark WINSTA® MINI pluggable installation connectors, which are used primarily in building automation for activating lighting. WINSTA® MINI satisfies the demand for miniaturisation. Our smallest pluggable connection system is primarily suited for lights, for instance, since due to LED technology, these offer significantly less space for the connection technology. According to the European CPR, the fire class of the cables used in construction is decisive for building safety as well. For houses with average safety requirements, cable assemblies with fire class E are suitable. The cable assembly is free of halogen. This eliminates the addition of environmental pollutants during production. It also achieves a higher fire class, since halogen-free materials do not easily ignite.

Fast, secure pluggable connections – cable assemblies from WAGO

The cable is pre-assembled with a socket and a free end. WINSTA® is the pluggable connection system that is ideally tailored to the strict requirements of electrical installation. It allows fast, secure and, above all, error-free installation of components and cables. Choose quality and durability – with protection against mismatching from WAGO makes the installation of electrical components noticeably easier.

- pluggable installation connectors with protection against mismatching
- compact design for conductors with a cross-section up to 1.5 mm²
- for lighting management
- 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      |  | 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  |  | 6 m                    |  |

| Mechanical data                         |  |                                                               |  |
|-----------------------------------------|--|---------------------------------------------------------------|--|
| Use                                     |  | DALI, Lighting Management                                     |  |
| Coding                                  |  | I                                                             |  |
| Variable coding                         |  | No                                                            |  |
| Marking                                 |  | + -                                                           |  |
| Potential marking                       |  | + -                                                           |  |
| 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 2x1.5                                               |  |
| 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                              |  | blue                                                                     |  |
| 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                          |  | 179.68 MJ                                                                |  |
| Connector color                    |  | blue                                                                     |  |
| Strain relief color                |  | black                                                                    |  |



| Material data                    |              |
|----------------------------------|--------------|
| Sheathed cable color             | black        |
| Printing color of sheathed cable | white        |
| Halogen-free                     | Yes          |
| Silicon-free                     | Yes          |
| Sheath material                  | Halogen-free |
| Rubber cable                     | No           |
| Weight                           | 474.3 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                  | 4055143391702 |
| Customs tariff number | 85444290900   |

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

Downloads

Environmental Product Compliance

| Compliance Search                                    |  |
|------------------------------------------------------|--|
| Environmental Product Compliance<br>891-8982/116-601 |  |

Documentation

| Bid Text         |            |                 |  |
|------------------|------------|-----------------|--|
| 891-8982/116-601 | 19.02.2019 | xml<br>3.08 KB  |  |
| 891-8982/116-601 | 24.11.2014 | doc<br>25.00 KB |  |

|                                    |                                                                                   |
|------------------------------------|-----------------------------------------------------------------------------------|
| CAD/CAE-Data                       |                                                                                   |
| CAE data                           |                                                                                   |
| WSCAD Universe<br>891-8982/116-601 |  |

|                          |
|--------------------------|
| 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