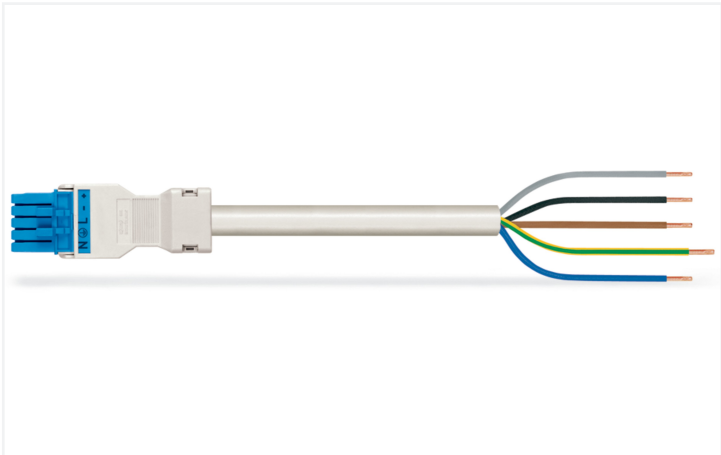
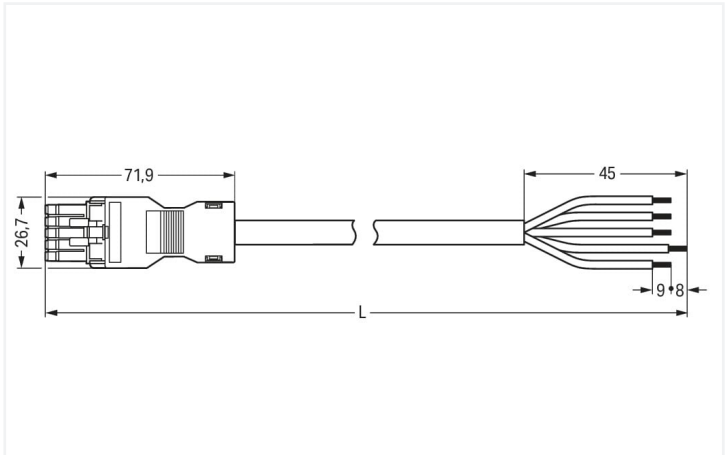




Color: ■ blue



Dimensions in mm

Cable assembly WINSTA® MINI with protection type IP40

The WINSTA® MINI cable assembly with protection against mismatching supports fast, reliable installation. 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. The mechanical coding and color coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismatching. The pluggable installation connector offers protection against contact with tools or wires if they are smaller than 1 mm in accordance with protection type IP40. WINSTA® MINI pluggable installation connectors with I coding in blue are particularly suitable for easy lighting installation, for example for the dimming function of DALI lights. Particularly if only limited space is available, our smallest pluggable connection system, WINSTA® MINI, conveniently displays its advantageous properties. It saves space, and, with Push-in CAGE CLAMP® spring pressure connection technology, it also saves time, since the installation is low-maintenance and requires no screw connections. Building safety must be ensured at all times, even after the electrical installation stage. The mandatory safety requirements in connection with EU CPR are met by this product through fire class E. The cable assembly is halogen-free. This eliminates the addition of environmental pollutants during production. It also increases the fire class, since halogen-free materials do not easily ignite.

Fast, secure pluggable connections – cable assemblies from WAGO

A socket and a free end are available. The WINSTA® Pluggable Connection System allows pluggable electrical installation. This significantly reduces the need for servicing and lowers costs. Choose durability and quality – with protection type IP40 from WAGO makes the electrical installation of electrical components significantly easier.

- effective protection against mismatching
- easy tool-free operation, a wide range of coding options
- for lighting management
- exact dimensions
- fast, secure 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 | 5                         |
| PE function                | Preceding PE contact      |
| Conductor preparation      | ultrasonically tip-bonded |

### Connection 1

|                                 |                    |
|---------------------------------|--------------------|
| Strip length                    | 9 mm / 0.35 inches |
| Pole number                     | 5                  |
| 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        | 26.7 mm / 1.051 inches |
| Height       | 15.8 mm / 0.622 inches |
| Total length | 2 m                    |

## Mechanical data

|                                         |                                                               |
|-----------------------------------------|---------------------------------------------------------------|
| Use                                     | DALI, Lighting Management                                     |
| Coding                                  | I                                                             |
| Variable coding                         | No                                                            |
| Marking                                 | N ⊕ L - +                                                     |
| Potential marking                       | N ⊕ 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                              | H05Z1Z1-F 5G1.5                                               |
| 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                              | 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                          | 59.914 MJ                                                                |
| Connector color                    | blue                                                                     |
| 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                           | 318.4 g      |
| Copper weight of the pipe        | 0.072 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                  | 4055143399951 |
| 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  
891-8985/116-202

↓

Documentation

Bid Text

|                  |            |                 |   |
|------------------|------------|-----------------|---|
| 891-8985/116-202 | 19.02.2019 | xml<br>3.05 KB  | ↓ |
| 891-8985/116-202 | 02.12.2014 | doc<br>25.50 KB | ↓ |

CAD/CAE-Data

CAE data

WSCAD Universe  
891-8985/116-202

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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