

## Data Sheet | Item Number: 771-9385/216-302

pre-assembled connecting cable; Dca; Plug/open-ended; 5-pole; Cod. I; H05Z1Z1-F  
5G 1.5 mm<sup>2</sup>; 3 m; 1,50 mm<sup>2</sup>; blue

<https://www.wago.com/771-9385/216-302>



Color: ■ blue



Dimensions in mm

### Cable assembly WINSTA® MIDI with protection against mismatching

For power and signal transmission: The WINSTA® MIDI cable assembly with protection against mismatching. Our pluggable installation connectors with spring pressure connection technology work without screw connections. They allow resource-efficient, error-free installation in numerous applications. The coding options reduce installation errors, allowing fast, secure wiring of all components. The pluggable installation connector is protected in accordance with protection type IP20 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). This means that users' fingers will never come into contact with live contact elements. WINSTA® MIDI pluggable installation connectors with I coding in blue are particularly suitable for lighting management, for example for the dimming of DALI lights. WINSTA® MIDI with Push-in CAGE CLAMP® spring pressure connection technology is used in a broad range of individual products you can use for quick, easy, flexible, and secure installation. This product meets all the fire protection requirements of fire class D; as a result it can be used in domains where fire safety is relevant. Not using halogen additives in the manufacture of this cable assembly substantially improves fire safety and reduces environmental pollution.

### Pluggable connections instead of screw connections – cable assemblies from WAGO

A plug and a free end are available. The WINSTA® Pluggable Connection System is perfectly tailored to the strict requirements of building installation. It makes electrical installation pluggable, and therefore more efficient, even more reliable, and error-free. Use of this pre-assembled system reduces time spent on assembly and installation errors at the construction site. Choose quality and durability – with fire class D from WAGO makes the installation of electrical components visibly easier.

- pluggable installation connectors with protection against mismatching
- pre-assembled versions
- with I coding for use in building automation (lighting control)
- ready to install and use immediately
- fast, secure installation

### Notes

Note

Cables with a different fire class can be found in the eShop.

## Electrical data

### Ratings per IEC/EN

|   |  |
|---|--|
| Ratings per                               | IEC/EN 60664-1   |
| Nominal voltage (III/3)                   | 400 V  |
| Rated impulse withstand voltage (III / 3) | 6 kV   |
| Rated current                             | 16 A   |
| Legend (ratings)                          | (III / 3) $\Delta$ Overvoltage category III / Pollution degree 3 |

### General information

|                            |  |
|----------------------------|--|
| Note on contact resistance | approx. 1 m $\Omega$ of contact resistance<br>approx. 0.25 m $\Omega$ contact transition plug/socket |
|----------------------------|--|

## 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 mm <sup>2</sup> |
| Strip length (outer insulation) | 55 mm               |
| Connection type                 | Plug - free end     |

## Physical data

|              |                         |
|--------------|-------------------------|
| Pin spacing  | 10 mm / 0.394 inches    |
| Width        | 47 mm / 1.85 inches     |
| Height       | 15.38 mm / 0.606 inches |
| Total length | 3 m                     |

## Mechanical data

|   |   |
|---|---|
| Use                                     | DALI, Lighting Management   |
| Coding                                  | I   |
| Variable coding                         | No  |
| Marking                                 | N $\oplus$ L DA- DA+  |
| Potential marking                       | N $\oplus$ L DA- DA+  |
| 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                              | H05Z1Z1-F 5G1.5   |
| Protection type                         | IP20; When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!) |

## Plug-in connection

|                               |  |
|-------------------------------|--|
| Mismating protection          | Yes  |
| Note on mismating protection  | All <i>WINSTA</i> <sup>®</sup> 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)   |
| Flammability class per UL94        | V0   |
| Fire class per EN 50575            | D <sub>ca</sub>  |
| Contact material                   | Copper or copper alloy; surface-treated                                  |
| Contact Plating                    | Tin  |
| Fire load                          | 0.558 MJ   |
| Connector color                    | blue   |
| Strain relief color                | white  |
| Printing color of strain relief    | black  |
| Sheathed cable color               | white  |
| Printing color of sheathed cable   | black  |
| Halogen-free                       | Yes  |
| Silicon-free                       | Yes  |
| Sheath material                    | Halogen-free   |
| Rubber cable                       | No   |
| Weight                             | 498.3 g  |
| Copper weight of the raw cable     | 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

|                       |               |
|-----------------------|---------------|
| PU (SPU)              | 1 pcs         |
| Packaging type        | unpacked      |
| Country of origin     | DE            |
| GTIN                  | 4066966454857 |
| Customs tariff number | 85444290900   |

### Product Classification

|           |                      |
|-----------|----------------------|
| UNSPSC    | 26121629             |
| ETIM 9.0  | EC002587             |
| ETIM 10.0 | EC002587             |
| ECCN      | NO US CLASSIFICATION |

### Environmental Product Compliance

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

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance  
771-9385/216-302



1 Compatible Products

1.1 Required Accessories

1.1.1 Locking system

1.1.1.1 Locking system



[Item No.: 770-101](#)

Locking lever; for flying leads; for manual operation; black



[Item No.: 770-121](#)

Locking lever; for flying leads; for manual operation; white



[Item No.: 770-111](#)

Locking lever; for flying leads; for tool operation; black



[Item No.: 770-131](#)

Locking lever; for flying leads; for tool operation; white

1.2 Optional Accessories

1.2.1 Cover

1.2.1.1 Cover



[Item No.: 770-360](#)

Lockout cap; for plugs; 5-pole; separable; yellow



[Item No.: 897-2005](#)

Protective cap; Type4; for sockets and plugs; PVC; red

1.2.2 Installation

1.2.2.1 Mounting accessories



[Item No.: 770-310](#)

Mounting carrier; 2- to 5-pole; for flying leads; black

1.2.3 Marking

1.2.3.1 Marker



[Item No.: 770-450/000-006](#)

Marker card; Plastic; blue



[Item No.: 770-450/000-001](#)

Marker card; Plastic; green



[Item No.: 770-450/000-012](#)

Marker card; Plastic; orange



[Item No.: 770-450/000-005](#)

Marker card; Plastic; red



[Item No.: 770-450](#)

Marker card; Plastic; white



[Item No.: 770-450/000-002](#)

Marker card; Plastic; yellow

### 1.2.3.2 Marking strip



**Item No.: 210-334**

Marking strips; as a DIN A4 sheet; Strip width 5 mm; Strip length 182 mm; plain; Self-adhesive; white