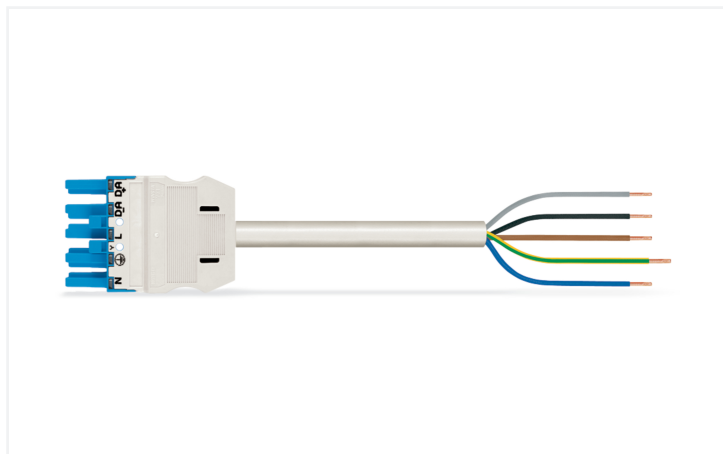


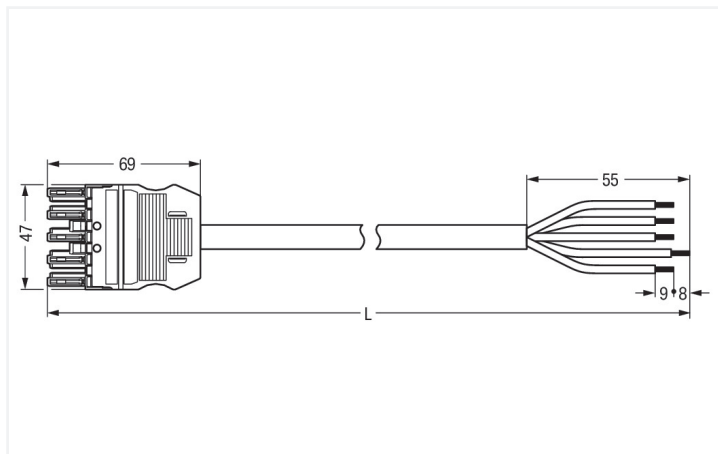
Data Sheet | Item Number: 771-9985/116-302

pre-assembled connecting cable; Eca; Socket/open-ended; 5-pole; Cod. I;
H05Z1Z1-F 5G 1.5 mm²; 3 m; 1,50 mm²; blue

<https://www.wago.com/771-9985/116-302>



Color: ■ blue



Dimensions in mm

Cable assembly WINSTA® MIDI 5-pole

Use effective pluggable connections instead of laborious screw connections: With the WINSTA® MIDI cable assembly with protection against mismatching. WAGO pluggable installation connectors can be used when criteria repeat or are planned on a defined pattern, for example for installing grid lighting or flush-mount lighting. 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 is protected against ingress by solid objects in accordance with protection type IP20 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). Controlled lighting, as implemented with the DALI standard, for instance, is the primary domain of use of WINSTA® MIDI pluggable installation connectors with I coding. The WINSTA® MIDI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology facilitates exemplary electrification. Thanks to the included test slot, connections can be checked even when they are plugged in. This saves time, labor, and money. 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. Eliminating halogens as an additive in the production of this cable assembly substantially increases fire safety and minimises environmental contamination.

Pluggable connections instead of screw connections – cable assemblies from WAGO

The cable assembly is equipped with a socket and a free end. The WINSTA® Pluggable Connection System allows pluggable electrical installation. This saves time, lowers costs, and reduces the need for servicing. Choose quality and durability – with protection against mismatching from WAGO makes the installation of electrical components noticeably easier.

- protection against mismatching eliminates errors
- pre-assembled versions
- for intelligent, easy lighting installation
- ready for immediate use
- convenient installation and commissioning

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 | Note on contact resistance | approx. 1 mΩ of contact resistance approx. 0.25 mΩ contact transition plug/ socket |
| Pollution degree | 3 | 2 | 2 | | |
| Nominal voltage | 400 V | - | - | | |
| Rated impulse withstand voltage | 6 kV | - | - | | |
| Rated current | 16 A | - | - | | |

Connection Data

| | | | |
|----------------------------|---------------------------|---------------------------------|---------------------|
| Total number of potentials | 5 | Connection 1 | |
| PE function | Preceding PE contact | Strip length | 9 mm / 0.35 inches |
| Conductor preparation | ultrasonically tip-bonded | Pole number | 5 |
| | | Wire cross-section | 1.5 mm ² |
| | | Strip length (outer insulation) | 55 mm |
| | | Connection type | Socket - 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 ⊕ L DA- DA+ |
| Potential marking | N ⊕ 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 | Socket - 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 WINSTA® components are 100% protected against mismating when: a.) plugging different numbers of poles b.) plugging while rotated 180 c.) plugging while laterally staggered 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) | Information on material specifications can be found here |
| Color | blue |
| Insulation material (main housing) | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Fire class per EN 50575 | E _{ca} |
| Contact material | Copper or copper alloy; surface-treated |
| Contact Plating | Tin |
| Fire load | 90.128 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 | 481 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) Insulating parts for temperatures ≤ 105 °C |

Commercial data

| | |
|-----------------------|---------------|
| PU (SPU) | 1 pcs |
| Packaging type | unpacked |
| Country of origin | DE |
| GTIN | 4050821149279 |
| Customs tariff number | 85444290900 |

Product Classification

| | |
|-------------|----------------------|
| UNSPSC | 26121629 |
| eCl@ss 10.0 | 27-44-06-04 |
| eCl@ss 9.0 | 27-44-06-04 |
| ETIM 9.0 | EC002587 |
| ETIM 10.0 | EC002587 |
| ECCN | NO US CLASSIFICATION |

Environmental Product Compliance

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

Approvals / Certificates

| General approvals | | | Declarations of conformity and manufacturer's declarations | | |
|---------------------------------------|----------|------------------|--|----------|------------------|
| | | | | | |
| Approval | Standard | Certificate Name | Approval | Standard | Certificate Name |
| CCA DEKRA Certification B.V. | EN 61535 | NTR NL-7355 | EU-Declaration of Confor- mity WAGO GmbH & Co. KG | - | - |
| KEMA/KEUR DEKRA Certification B.V. | EN 61535 | 71-123834 | UK-Declaration of Confor- mity WAGO GmbH & Co. KG | - | - |

Downloads

Environmental Product Compliance

| | |
|--|-------------------|
| Compliance Search | |
| Environmental Product Compliance 771-9985/116-302 | ↓ |

Documentation

| | | | |
|------------------|------------|-----------------|-------------------|
| Bid Text | | | |
| 771-9985/116-302 | 19.02.2019 | xml 3.05 KB | ↓ |
| 771-9985/116-302 | 11.12.2014 | doc 27.00 KB | ↓ |

CAD/CAE-Data

| | | | |
|----------------------------------|-------------------|------------------------------------|-------------------|
| CAD data | | CAE data | |
| 2D/3D Models 771-9985/116-302 | ↓ | WSCAD Universe 771-9985/116-302 | ↓ |
| | | ZUKEN Portal 771-9985/116-302 | ↓ |

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.: 770-201

Lockout cap; 12-pole, separable; for sockets; Plastic; black

Item No.: 770-221

Lockout cap; 12-pole, separable; for sockets; Plastic; white

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