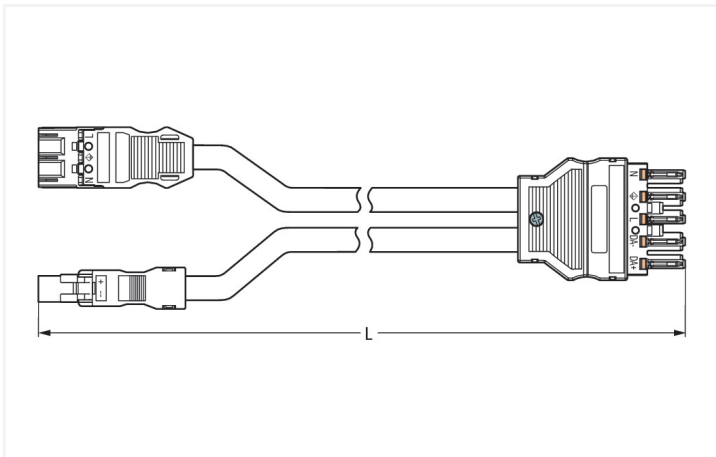
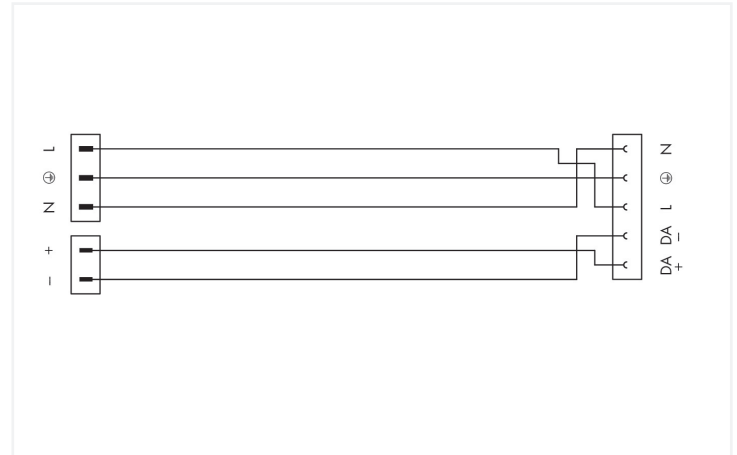


## Data Sheet | Item Number: 771-5001/224-000

pre-assembled Y-cable; Cca; 2 x plug/socket; 3-pole + 2-pole/5-pole; Cod. A/I;  
H05Z1Z1-F 2 x 1,50 mm<sup>2</sup>; H05Z1Z1-F 3G 2.5 mm<sup>2</sup>; 0.5 m; 1,50 mm<sup>2</sup>

<https://www.wago.com/771-5001/224-000>



Dimensions in mm

### Cable assembly WINSTA® MIDI with protection type IP20

The WINSTA® MIDI cable assembly A coding allows assembly of solid and fine-stranded conductors. On PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to establish connections according to various requirements in next to no time. The color coding and mechanical coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismating. The pluggable installation connector offers protection against contact with live components in accordance with protection type IP20 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). The WINSTA® MIDI pluggable installation connector with A coding in white or black is usually used for general mains applications in power distribution. The WINSTA® MIDI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology facilitates precise electrification. Due to the integrated test slot, connections can be checked even when they are plugged in. This saves time, labor, and money. Anyone who needs to worry about technical safety requirements related to fire protection for electrical installation should use only top quality components. Our product satisfies the official safety standards of fire class C. Eliminating halogens as an additive in the manufacture of this cable assembly noticeably improves fire safety and minimises environmental contamination.

### Fast, secure pluggable connections – cable assemblies from WAGO

The cable is pre-assembled with a MIDI plug, mini plug and a MIDI socket. The WINSTA® Pluggable Connection System allows pluggable electrical installation. This significantly reduces the need for servicing and lowers costs. Choose durability and quality – the WINSTA® MIDI pluggable installation connector with protection against mismating from WAGO makes the installation of electrical components noticeably easier.

- effective protection against mismating
- simple circuits
- with A coding for a large number of applications
- custom-engineered solutions
- quick replacement of defective units during ongoing operation



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

| Electrical data      |       |                |    |
|----------------------|-------|----------------|----|
| Ratings per          |       | IEC/EN 60664-1 |    |
| Overvoltage category | III   | III            | II |
| Pollution degree     | 3     | 2              | 2  |
| Nominal voltage      | 250 V | -              | -  |
| Rated surge voltage  | 4 kV  | -              | -  |
| Rated current        | 16 A  | -              | -  |

| Ratings per UL 1977    |                                                                                                                                                                                                                                          |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note for the US market | Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office. |

| General information        |                                                                                      |
|----------------------------|--------------------------------------------------------------------------------------|
| Note on contact resistance | approx. 1 mΩ of contact resistance<br>approx. 0.25 mΩ contact transition plug/socket |

| Connection data            |   |
|----------------------------|---|
| Total number of potentials | 5 |

| Connection 1            |                                     |
|-------------------------|-------------------------------------|
| Pole number             | 3                                   |
| Sheathed cable diameter | 6.8 ... 8.6 mm                      |
| Wire cross-section      | 1.5 mm²                             |
| Connection type         | MIDI plug; Plug, MINI - MIDI socket |

| Connection 2              |                 |
|---------------------------|-----------------|
| Pole number 2             | 2               |
| Sheathed cable diameter 2 | 9.2 ... 11.4 mm |
| Wire cross-section (2)    | 2.5 mm²         |

| Connection 3  |   |
|---------------|---|
| Pole number 3 | 5 |

| Physical data |                       |
|---------------|-----------------------|
| Pin spacing   | 10 mm / 0.394 inches  |
| Width         | 54.6 mm / 2.15 inches |
| Height        | 17 mm / 0.669 inches  |
| Total length  | 0.5 m                 |

| Mechanical data                         |                                                                                                               |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Application                             | DALI, Lighting Management                                                                                     |
| Coding                                  | A                                                                                                             |
| Coding 2                                | I                                                                                                             |
| 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                         | MIDI plug; Plug, MINI - MIDI socket                                                                           |
| Type of pre-assembled cable             | Y-cable                                                                                                       |
| Cable type                              | H05Z1Z1-F 2x1.5                                                                                               |
| Cable type 2                            | H05Z1Z1-F 3G2.5                                                                                               |
| 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> ® 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="https://www.wago.com/us/material-specifications">Information on material specifications can be found here</a> |
| Insulation material                | Polyamide (PA66)                                                                                                       |
| Flammability class per UL94        | V0                                                                                                                     |
| Fire class per EN 50575            | C <sub>ca</sub>                                                                                                        |
| Contact material                   | Copper or copper alloy; surface-treated                                                                                |
| Contact plating                    | Tin                                                                                                                    |
| Fire load                          | 1.538 MJ                                                                                                               |
| Connector color                    | blue                                                                                                                   |
| Strain relief color                | black                                                                                                                  |
| Sheathed cable color               | black                                                                                                                  |
| Printing color of sheathed cable   | white                                                                                                                  |
| Sheathed cable color 2             | black                                                                                                                  |
| Printing color of sheathed cable 2 | white                                                                                                                  |
| Halogen-free                       | Yes                                                                                                                    |
| Silicon-free                       | Yes                                                                                                                    |
| Sheath material                    | Halogen-free                                                                                                           |
| Rubber cable                       | No                                                                                                                     |
| Weight                             | 158.4 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 8.0              | EC002587      |
| ETIM 7.0              | EC002587      |
| PU (SPU)              | 1 pcs         |
| Packaging type        | unpacked      |
| Country of origin     | DE            |
| GTIN                  | 4055143811996 |
| Customs tariff number | 85444290900   |



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

Downloads

| Environmental Product Compliance                     |  |
|------------------------------------------------------|--|
| Compliance Search                                    |  |
| Environmental Product Compliance<br>771-5001/224-000 |  |

1 Compatible Products

1.1 Required Accessories

1.1.1 Locking system

1.1.1.1 Locking system

|                                                                                                   |                                                                                                   |                                                                                                 |                                                                                                 |
|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
|                                                                                                   |                                                                                                   |                                                                                                 |                                                                                                 |
| <a href="#">Item No.: 770-101</a><br>Locking lever; for flying leads; for manual operation; black | <a href="#">Item No.: 770-121</a><br>Locking lever; for flying leads; for manual operation; white | <a href="#">Item No.: 770-111</a><br>Locking lever; for flying leads; for tool operation; black | <a href="#">Item No.: 770-131</a><br>Locking lever; for flying leads; for tool operation; white |

1.2 Optional Accessories

1.2.1 Cover

1.2.1.1 Cover

|                                                                                                   |                                                                                                   |                                                                                        |
|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|                                                                                                   |                                                                                                   |                                                                                        |
| <a href="#">Item No.: 770-201</a><br>Lockout cap; 12-pole, separable; for sockets; Plastic; black | <a href="#">Item No.: 770-221</a><br>Lockout cap; 12-pole, separable; for sockets; Plastic; white | <a href="#">Item No.: 770-360</a><br>Lockout cap; for plugs; 5-pole; separable; yellow |

1.2.2 Marking

1.2.2.1 Marker

|                                                                         |                                                                           |                                                                           |                                                                        |
|-------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------|------------------------------------------------------------------------|
|                                                                         |                                                                           |                                                                           |                                                                        |
| <a href="#">Item No.: 770-450/000-006</a><br>Marker card; Plastic; blue | <a href="#">Item No.: 770-450/000-001</a><br>Marker card; Plastic; green  | <a href="#">Item No.: 770-450/000-012</a><br>Marker card; Plastic; orange | <a href="#">Item No.: 770-450/000-005</a><br>Marker card; Plastic; red |
|                                                                         |                                                                           |                                                                           |                                                                        |
| <a href="#">Item No.: 770-450</a><br>Marker card; Plastic; white        | <a href="#">Item No.: 770-450/000-002</a><br>Marker card; Plastic; yellow |                                                                           |                                                                        |

#### 1.2.2.2 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