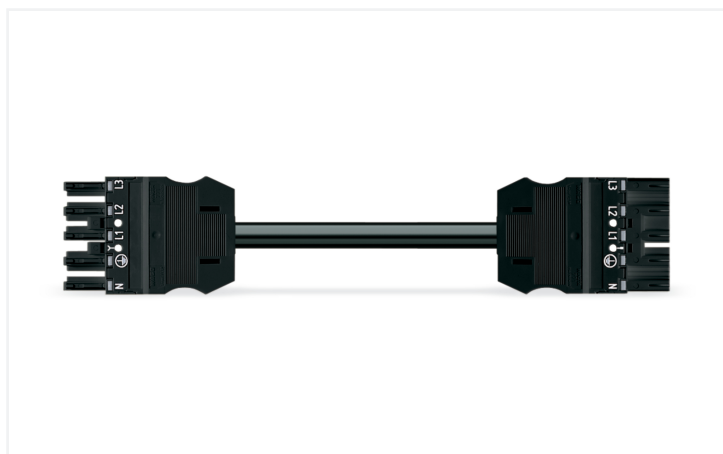


## Data Sheet | Item Number: 771-9995/006-301

pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. A; H05VV-F  
5G 1.5 mm<sup>2</sup>; 3 m; 1,50 mm<sup>2</sup>; black

<https://www.wago.com/771-9995/006-301>



Color: ■ black



Dimensions in mm

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

For power and signal transmission: The WINSTA® MIDI cable assembly with protection type IP20. 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. For greater security in electrical installations, the pluggable installation connector is provided with mechanical 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!)). Thanks to the color coding and mechanical A coding of WINSTA® MIDI pluggable installation connectors, you can clearly distinguish different circuits. Our WINSTA® MIDI product line guarantees maximum flexibility for the installation. Through its Push-in CAGE CLAMP® spring pressure connection technology, it guarantees time-saving, error-free installation and offers customization and flexibility for meeting various installation requirements. This product meets all the relevant safety requirements of fire class E; thus it can be used in areas where fire safety is relevant.

### Fast, error-free assembly thanks to cable assemblies from WAGO

A socket and a plug are provided. The WINSTA® Pluggable Connection System allows pluggable electrical installation. This saves time, lowers costs, and reduces the need for servicing. Now you can also reduce installation costs without compromising safety and quality: with fire class E reduces the need for servicing and prevents unnecessary downtime.

- protection against mismatching eliminates errors
- pre-assembled versions
- suitable for any application
- ready for immediate use
- 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 |     |    | General information        |  |
|---------------------------------|----------------|-----|----|----------------------------|--|
| Overvoltage category            | III            | III | II | Note on contact resistance | approx. 1 mΩ of contact resistance<br>approx. 0.25 mΩ contact transition plug/<br>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                    | <b>Connection 1</b> |                     |
| PE function                | Preceding PE contact | Pole number         | 5                   |
|                            |                      | Wire cross-section  | 1.5 mm <sup>2</sup> |
|                            |                      | Connection type     | Socket - Plug       |

## 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                                     | General mains applications  |
| Coding                                  | A   |
| Variable coding                         | Yes   |
| Marking                                 | N ⊕ L1 L2 L3  |
| Potential marking                       | N ⊕ L1 L2 L3  |
| 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 - Plug   |
| Type of pre-assembled cable             | Interconnecting cable   |
| Cable type                              | H05VV-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:<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                              | black  |
| Insulation material (main housing) | Polyamide (PA66)   |
| Flammability class per UL94        | V0   |
| Fire class per EN 50575            | E <sub>ca</sub>  |
| Contact material                   | Copper or copper alloy; surface-treated                                  |
| Contact Plating                    | Tin  |
| Fire load                          | 90.299 MJ  |
| Connector color                    | black  |
| Strain relief color                | black  |
| Printing color of strain relief    | white  |
| Sheathed cable color               | black  |
| Printing color of sheathed cable   | white  |
| Halogen-free                       | No   |
| Silicon-free                       | Yes  |
| Sheath material                    | PVC  |
| Rubber cable                       | No   |
| Weight                             | 520 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                  | 4044918588447 |
| 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**



| Approval                              | Standard | Certificate Name |
|---------------------------------------|----------|------------------|
| CCA<br>DEKRA Certification B.V.       | EN 61535 | NTR NL-7355      |
| KEMA/KEUR<br>DEKRA Certification B.V. | EN 61535 | 71-123834        |

**Declarations of conformity and manufacturer's declarations**

| Approval  | Standard | Certificate Name |
|---|----------|------------------|
| EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG | -        | -                |
| UK-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG | -        | -                |

**Downloads**

**Environmental Product Compliance**

| Compliance Search                                       |   |
|---|---|
| Environmental Product<br>Compliance<br>771-9995/006-301 | ↓ |

**Documentation**

| Bid Text                            |            |                 |   |
|-------------------------------------|------------|-----------------|---|
| 771-9995/006-301                    | 19.02.2019 | xml<br>2.90 KB  | ↓ |
| 771-9995/006-301                    | 10.12.2014 | doc<br>24.00 KB | ↓ |
| ausschreiben.de<br>771-9995/006-301 |            |                 | ↓ |

**CAD/CAE-Data**

| CAD data                         |   |
|----------------------------------|---|
| 2D/3D Models<br>771-9995/006-301 | ↓ |

| CAE data                              |   |
|---------------------------------------|---|
| EPLAN Data Portal<br>771-9995/006-301 | ↓ |
| WSCAD Universe<br>771-9995/006-301    | ↓ |
| ZUKEN Portal<br>771-9995/006-301      | ↓ |

## 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.: 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