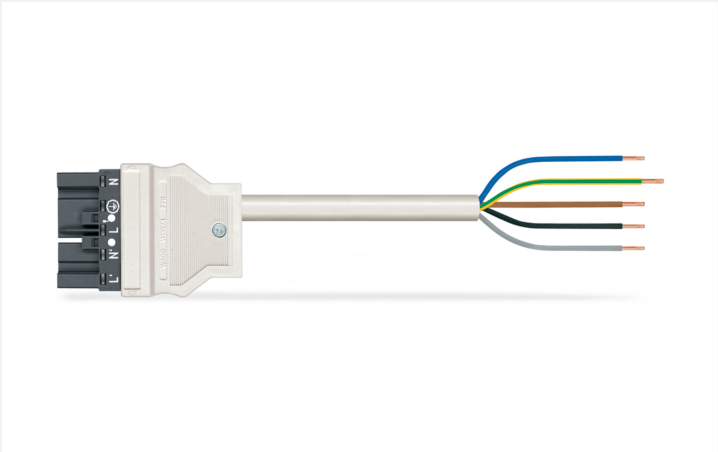
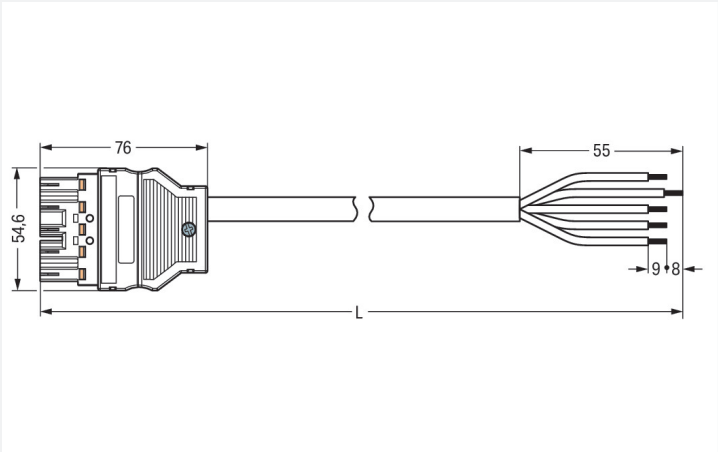
# Data Sheet | Item Number: 771-8985/207-604

pre-assembled connecting cable; Eca; Plug/open-ended; 5-pole; Cod. L; H05VV-F 5G 2.5 mm²; 6 m; 2,50 mm²; dark gray

https://www.wago.com/771-8985/207-604






Color: ■ dark gray

Dimensions in mm

Cable assembly *WINSTA*® MIDI with protection type IP20

Use effective pluggable connections instead of laborious screw connections: With 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 a huge variety of requirements in no time flat. The coding options reduce installation errors, allowing fast, maintenance-free wiring of all components. 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 2- or 5-pole version of the dark grey *WINSTA*® MIDI pluggable installation connectors with L coding allows use of an emergency power supply. The rated current and voltage are important criteria for selecting a pluggable installation connector: They provide information about possible domains of use and applications. This product has a current rating of 20 A – therefore it is suitable for high power loads. Our *WINSTA*® MIDI product line offers maximum flexibility for the installation of applications. Through its Push-in CAGE CLAMP® spring pressure connection technology, it ensures time-saving, error-free installation and offers flexibility and customization for meeting all installation requirements. According to the European CPR, the fire class of the cables used for construction is essential for the safety of buildings as well. For houses with medium-level safety requirements, cable assemblies with fire class E are suitable.

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

The cable assembly is equipped with a plug and a free end. The WINSTA® Pluggable Connection System allows pluggable electrical installation. This significantly reduces the need for servicing and lowers costs. Choose quality and durability – with fire class E from WAGO makes the installation of electrical components noticeably easier.

- protection against mismating eliminates errors
- for automation controllers
- with L coding for use in supplying power to power supply units or small servo motors
- flexible installation to save space
- fast, secure installation

## 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 | 400 V | - | - |
| Rated impulse withstand voltage | 6 kV | - | - |
| Rated current | 20 A | - | - |

### 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 |
| 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 | 2.5 mm² |
| Strip length (outer insulation) | 55 mm |
| Connection type | Plug - free end |

## Physical data

| | |
|---|---|
| Pin spacing | 10 mm / 0.394 inches |
| Width | 54.6 mm / 2.15 inches |
| Height | 17 mm / 0.669 inches |
| Total length | 6 m |

## Mechanical data

| | |
|---|---|
| Use | Emergency power supply |
| Coding | L |
| Variable coding | No |
| Marking | N ⏚ L N' L' |
| Potential marking | N ⏚ L 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 | Plug - free end |
| Type of pre-assembled cable | Connecting cable |
| Cable type | H05VV-F 5G2.5 |
| Protection type | IP20; When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!) |


Continued on next page

## 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) | Information on material specifications can be found here |
| Color | dark gray |
| 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 | 180.588 MJ |
| Connector color | dark gray |
| Strain relief color | white |
| Sheathed cable color | white |
| Printing color of sheathed cable | black |
| Halogen-free | No |
| Silicon-free | Yes |
| Sheath material | PVC |
| Rubber cable | No |
| Weight | 1486.3 g |
| Copper weight of the raw cable | 0.12 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 | 4050821123279 |
| 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-7972 |
| 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 Conformity<br>WAGO GmbH & Co. KG | - | - |
| UK-Declaration of Conformity<br>WAGO GmbH & Co. KG | - | - |

## Downloads

### Environmental Product Compliance

**Compliance Search**

Environmental Product Compliance
771-8985/207-604

### Documentation

**Bid Text**

| | | | |
|---|---|---|---|
| 771-8985/207-604 | 19.02.2019 | xml<br>2.98 KB | |
| 771-8985/207-604 | 11.12.2014 | doc<br>26.50 KB | |

### CAD/CAE-Data

**CAE data**

WSCAD Universe
771-8985/207-604


Continued on next page

## 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.: 210-333
Marking strips; as a DIN A4 sheet; Strip width 6 mm; Strip length 182 mm; plain; Self-adhesive; white