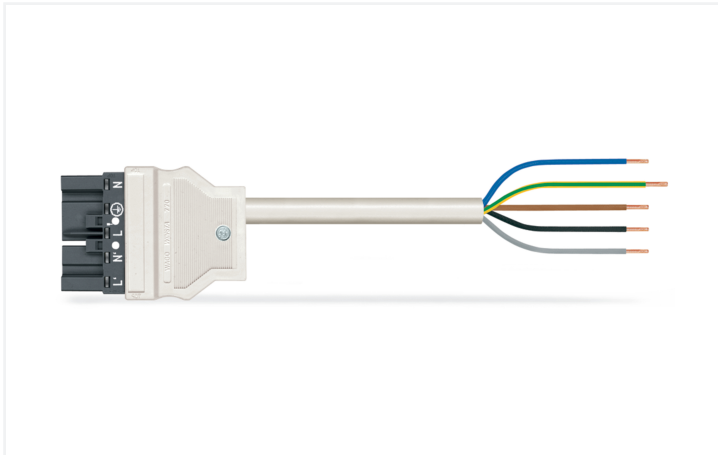


Data Sheet | Item Number: 771-8985/217-204

pre-assembled connecting cable; Eca; Plug/open-ended; 5-pole; Cod. L; H05Z1Z1-F 5G 2.5 mm²; 2 m; 2,50 mm²; dark gray

<https://www.wago.com/771-8985/217-204>



Color: ■ dark gray



Dimensions in mm

Cable assembly WINSTA® MIDI 5-pole

Use effective pluggable connections instead of laborious screw connections: With the WINSTA® MIDI cable assembly L coding. WAGO pluggable installation connectors are useful when specifications repeat or are distributed on a specific pattern, for example for installing grid lighting or flush-mount lighting. The coding options reduce installation errors, allowing fast, maintenance-free 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 electrified elements. WINSTA® MIDI pluggable installation connectors with L coding (2-pole or 5-pole) are perfect for use in supplying power to power supply units or small servo motors. This pluggable installation connector is used for electrical currents up to 20 A. Thus the product is also suitable for high power loads. Our WINSTA® MIDI product line allows flexibility for the electrical installation. With its Push-in CAGE CLAMP® spring pressure connection technology, it ensures time-saving, error-free installation and offers customization for meeting various installation requirements. Building safety must be ensured at all times, even after the electrical installation stage. The mandatory safety requirements in connection with EU CPR are fully satisfied by this product through fire class E. Not using halogen additives in the manufacture of this cable assembly significantly improves fire safety and reduces environmental contamination.

Fast, secure pluggable connections – cable assemblies from WAGO

The cable assembly is equipped with a plug and a free end. WINSTA® is the pluggable connection system that is optimally tailored to the strict requirements of electrical installation. It allows error-free installation of cables and components, quickly and reliably. Choose quality and durability – with strain relief hosting from WAGO makes the electrical installation of electrical components substantially easier.

- pluggable installation connectors with protection against mismatching
- for automation controllers
- with L coding for supplying power in automation
- custom-engineered solutions
- 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 | 20 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 | 2.5 mm ² |
| | | 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 | 2 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 | H05Z1Z1-F 5G2.5 |
| 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 | 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 | 60.588 MJ |
| Connector color | dark gray |
| Strain relief color | white |
| Sheathed cable color | white |
| Printing color of sheathed cable | black |
| Halogen-free | Yes |
| Silicon-free | Yes |
| Sheath material | Halogen-free |
| Rubber cable | No |
| Weight | 494.4 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) Insulating parts for temperatures ≤ 105 °C |

Commercial data

| | |
|-----------------------|---------------|
| PU (SPU) | 1 pcs |
| Packaging type | unpacked |
| Country of origin | DE |
| GTIN | 4055143498111 |
| 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 8.0 | 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-7972 | 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 771-8985/217-204 | ↓ |

Documentation

| Bid Text | | | |
|------------------|------------|-----------------|-------------------|
| 771-8985/217-204 | 19.02.2019 | xml 3.01 KB | ↓ |
| 771-8985/217-204 | 11.12.2014 | doc 27.00 KB | ↓ |

CAD/CAE-Data

| CAE data | |
|------------------------------------|-------------------|
| WSCAD Universe 771-8985/217-204 | ↓ |

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