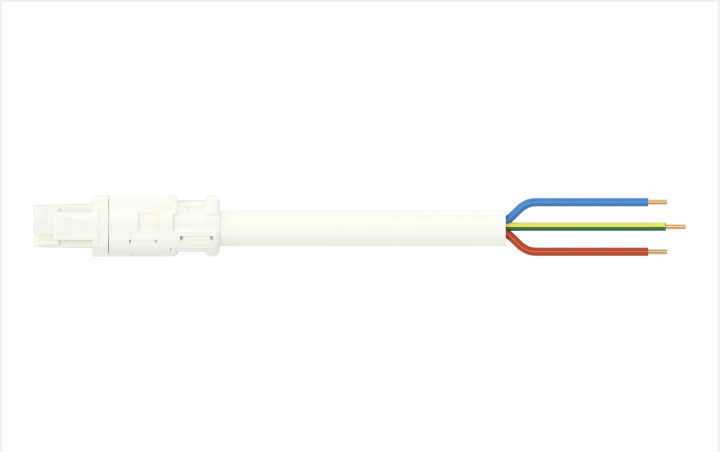
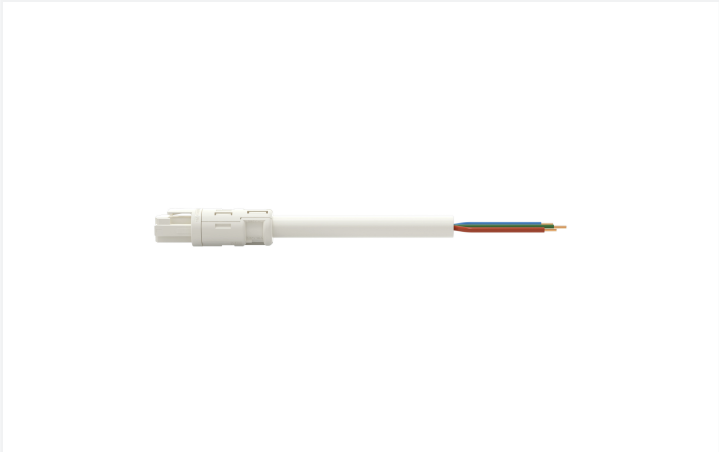
# Data Sheet | Item Number: 774-9993/107-102

pre-assembled connecting cable; Eca; Socket/open-ended; 3-pole; Cod. A; H05VV-F 3G 2.5 mm²; 1 m; 2,50 mm²; white

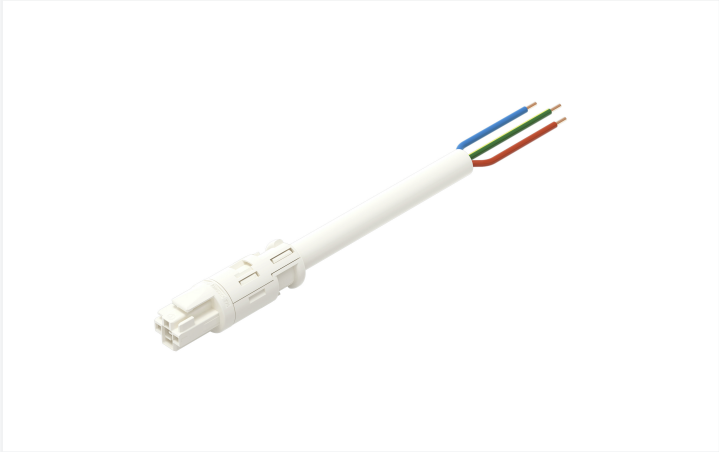
https://www.wago.com/774-9993/107-102

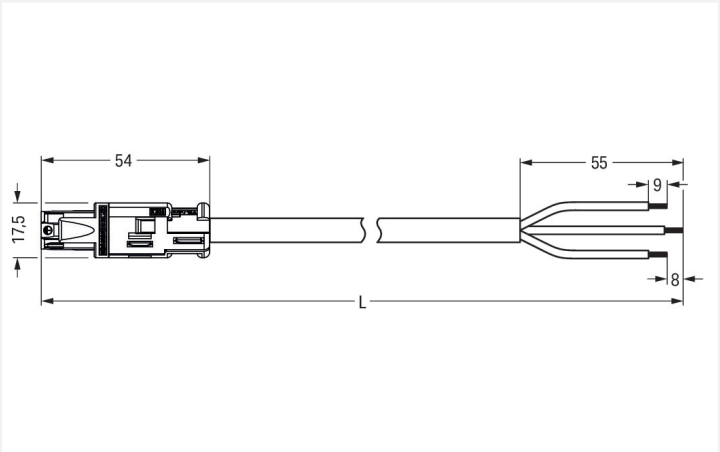




Color: white








Dimensions in mm

Cable assembly *WINSTA*® RD A coding

Use effective pluggable connections instead of laborious screw connections: With the *WINSTA*® RD cable assembly rated current 20 A. Our pluggable installation connectors with spring pressure connection technology work completely without screw connections. They allow resource-efficient, error-free installation in numerous possible uses. 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 energised contact elements. This pluggable installation connector can be used for electrical currents up to 20 A. Thus the product is ideally suitable for high power loads. The *WINSTA*® RD features a round design that is perfect for use in conduits with an inner diameter of 20 mm, such as in the prefabricated house sector. Of course, the safety of buildings must always be ensured, even after the electrical installation has been performed. The required safety requirements in connection with EU CPR are met by this product through fire class E.

Pluggable connections instead of screw connections – cable assemblies from WAGO

The cable is pre-assembled with a socket and a free end. WINSTA® is the pluggable connection system that is optimally tailored to the strict requirements of electrical installation. It ensures fast, secure and, above all, error-free installation of components and cables. Choose quality and durability – with protection against mismating from WAGO makes the electrical installation of electrical components visibly easier.

- protection against mismating eliminates errors
- saves time, since no wiring is required at the construction site
- with A coding for use in a large number of general mains applications
- 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 | | |
|---|---|---|---|
| Overvoltage category | III | III | II |
| Pollution degree | 3 | 2 | 2 |
| Nominal voltage | 250 V | - | - |
| Rated impulse withstand voltage | 4 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 | 3 |
| PE function | Preceding PE contact |
| Conductor preparation | ultrasonically tip-bonded |

### Connection 1

| | |
|---|---|
| Strip length | 9 mm / 0.35 inches |
| Pole number | 3 |
| Wire cross-section | 2.5 mm² |
| Strip length (outer insulation) | 55 mm |
| Connection type | Socket - free end |

## Physical data

| | |
|---|---|
| Width | 17.5 mm / 0.689 inches |
| Height | 17.5 mm / 0.689 inches |
| Total length | 1 m |

 Continued on next page

## Mechanical data

| | |
|---|---|
| Use | General mains applications |
| Coding | A |
| Variable coding | No |
| Marking | L ⏚ N |
| Mating force of a plug-in connection | Approx. 30 … 70 N (depending on pole number) |
| Retention force of a plug-in connection | when locked: > 80N |
| Unmating force of a plug-in connection | Unlocked: approx. 30 … 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 | H05VV-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 *WINSTA*® components are 100% protected against mismating when:<br>a.) plugging different numbers of poles<br>b.) plugging while incorrectly rotated<br>c.) plugging while laterally staggered |
| Locking of plug-in connection | Locking lever |

## Material data

| | |
|---|---|
| Note (material data) | Information on material specifications can be found here |
| Color | white |
| Insulation material (main housing) | Polyamide (PA66) |
| Fire class per EN 50575 | $E_{ca}$ |
| Contact material | Copper or copper alloy; surface-treated |
| Contact Plating | Tin |
| Fire load | 29.397 MJ |
| Connector color | white |
| 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 | 162.3 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 | 4045454322861 |
| 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. | - | NTR NL 6374 |
| CCA<br>DEKRA Certification B.V. | EN 61535 | NTR NL-7969 |
| CCA<br>DEKRA Certification B.V. | EN 61984 | NTR NL-7848 |
| KEMA/KEUR<br>DEKRA Certification B.V. | EN 61535 | 71-123229 |
| KEMA/KEUR<br>DEKRA Certification B.V. | EN 61984 | 71-114944 |
| KEMA/KEUR<br>DEKRA Certification B.V. | - | 2118353.01 |

### 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
774-9993/107-102

## Documentation

### Bid Text

| | | |
|---|---|---|
| 774-9993/107-102 | 19.02.2019 | xml 3.02 KB |
| 774-9993/107-102 | 08.01.2015 | doc 23.00 KB |

## CAD/CAE-Data

### CAD data

2D/3D Models
774-9993/107-102

### CAE data

EPLAN Data Portal
774-9993/107-102

WSCAD Universe
774-9993/107-102

ZUKEN Portal
774-9993/107-102