

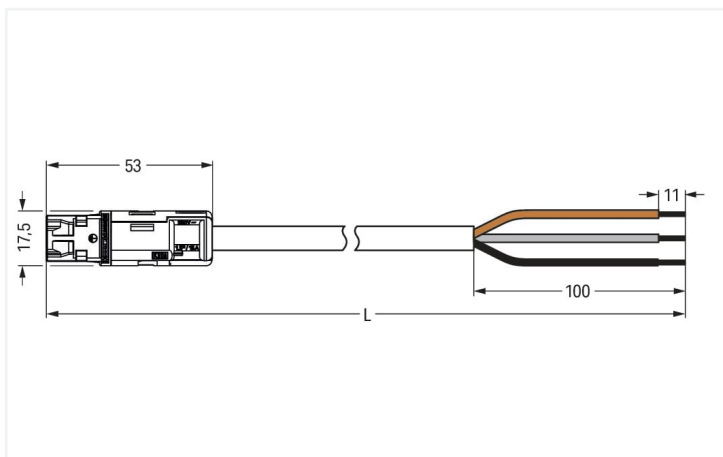
# Data Sheet | Item Number: 774-9973/206-605

pre-assembled connecting cable; Eca; Plug/open-ended; 3-pole; Cod. S; H05VV-F 3  
x 1.5 mm<sup>2</sup>; 6 m; 1,50 mm<sup>2</sup>; brown

<https://www.wago.com/774-9973/206-605>



Color: ■ brown



Dimensions in mm



Cable assembly WINSTA® RD with protection against mismating

The WINSTA® RD cable assembly 3-pole provides the foundation for installation of solid and fine-stranded conductors. For greater protection in electrical installations, the pluggable installation connector is equipped with mechanical 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!)). With WINSTA® RD, we have introduced a product line that fits perfectly into conduits or bore-holes due to its design. This product meets all the relevant safety requirements of fire class E; as a result it can be used in domains where fire safety is relevant.

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

The cable assembly is provided 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. Now you can also reduce installation expenses without compromising quality and safety: with fire class E reduces the need for servicing and prevents unnecessary downtime.

- effective protection against mismating
- saves time, since no wiring is required at the construction site
- for AC applications
- exact dimensions
- rapid, structured electrical 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      |  | 250 V          | -   | -  |
| Rated surge voltage  |  | 4 kV           | -   | -  |
| Rated current        |  | 16 A           | -   | -  |

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

| Connection data            |                           |  |
|----------------------------|---------------------------|--|
| Total number of potentials | 3                         |  |
| Conductor preparation      | ultrasonically tip-bonded |  |

| Connection 1                    |                     |
|---------------------------------|---------------------|
| Strip length                    | 11 mm / 0.43 inches |
| Pole number                     | 3                   |
| Sheathed cable diameter         | 7.4 ... 9.4 mm      |
| Wire cross-section              | 1.5 mm²             |
| Strip length (outer insulation) | 100 mm              |
| Connection type                 | Plug - free end     |

| Physical data |                        |
|---------------|------------------------|
| Width         | 17.5 mm / 0.689 inches |
| Height        | 17.5 mm / 0.689 inches |
| Total length  | 6 m                    |

## Mechanical data

|                                         |                                                                                                               |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Application                             | Switching function                                                                                            |
| Coding                                  | S                                                                                                             |
| Variable coding                         | No                                                                                                            |
| Marking                                 | 1 2 L                                                                                                         |
| 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                         | Plug - free end                                                                                               |
| Type of pre-assembled cable             | Connecting cable                                                                                              |
| Cable type                              | H05VV-F 3x1.5                                                                                                 |
| 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 incorrectly rotated<br>c.) plugging while laterally staggered |
| Locking of plug-in connection | Locking lever                                                                                                                                                                                            |

## Material data

|                                  |                                                                                                                        |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Note (material data)             | <a href="https://www.wago.com/us/material-specifications">Information on material specifications can be found here</a> |
| Color                            | brown                                                                                                                  |
| Insulation material              | Polyamide (PA66)                                                                                                       |
| Fire class per EN 50575          | E <sub>ca</sub>                                                                                                        |
| Contact material                 | Copper or copper alloy; surface-treated                                                                                |
| Contact plating                  | Tin                                                                                                                    |
| Fire load                        | 179.384 MJ                                                                                                             |
| Connector color                  | brown                                                                                                                  |
| Strain relief color              | black                                                                                                                  |
| Sheathed cable color             | black                                                                                                                  |
| Printing color of sheathed cable | white                                                                                                                  |
| Halogen-free                     | No                                                                                                                     |
| Silicon-free                     | Yes                                                                                                                    |
| Sheath material                  | PVC                                                                                                                    |
| Rubber cable                     | No                                                                                                                     |
| Weight                           | 595 g                                                                                                                  |
| Copper weight of the pipe        | 0.043 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                  | 4055143319195 |
| Customs tariff number | 85444290900   |

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

Approvals / Certificates

| General approvals                                                                                                                                                                                                                                    |          | Declarations of conformity and manufacturer's declarations |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------------------------------------------|
|    |          |                                                            |
| Approval                                                                                                                                                                                                                                             | Standard | Certificate Name                                           |
| 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                                                  |

| 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>774-9973/206-605 |  |

| Documentation    |            |                 |                                                                                     |
|------------------|------------|-----------------|-------------------------------------------------------------------------------------|
| Bid Text         |            |                 |                                                                                     |
| 774-9973/206-605 | 19.02.2019 | xml<br>2.98 KB  |  |
| 774-9973/206-605 | 19.02.2015 | doc<br>24.00 KB |  |

Subject to changes. Please also observe the further product documentation!

Current addresses can be found at: [www.wago.com](https://www.wago.com)