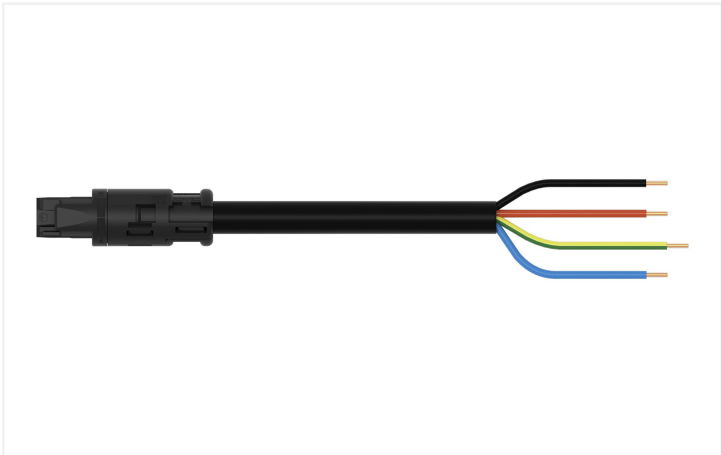
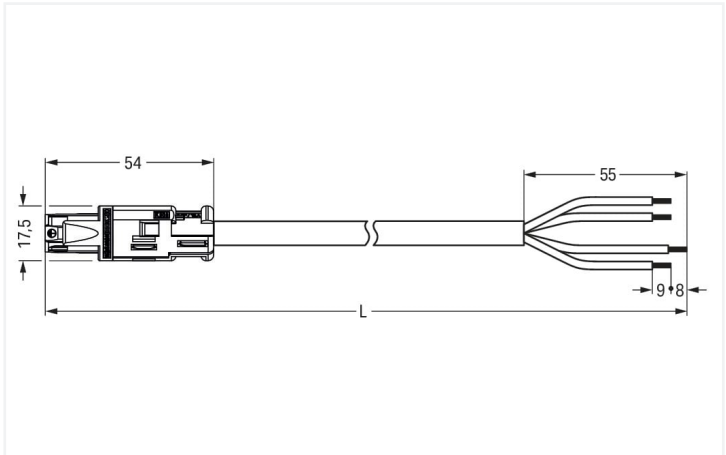




Color: ■ black



Dimensions in mm

Cable assembly WINSTA® RD with protection type IP20

The WINSTA® RD cable assembly A coding is the pluggable solution for your use in control cabinets, for lighting connections or on PCBs. The color coding and mechanical coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismatching. 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. With WINSTA® RD, we have introduced a product line that fits like a glove into boreholes or conduits due to its design. This product meets all the relevant safety requirements of fire class E; as a result it can be used in areas where fire safety is relevant.

Fast, secure pluggable connections – cable assemblies from WAGO

A socket and a free end are provided. The WINSTA® Pluggable Connection System is ideally tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and consequently more efficient, more reliable, and error-free. Using this pre-assembled system decreases assembly times and installation errors at the construction site. Now you can also cut installation costs without compromising safety and quality: with fire class E reduces the need for servicing and prevents unnecessary downtime.

- effective protection against mismatching
- products perfectly tailored to your requirements guarantee safe use
- with A coding for a large number of 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 |    |  | 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      | 250 V | -              | -  |  |                            |                                                                                          |
| Rated surge voltage  | 4 kV  | -              | -  |  |                            |                                                                                          |
| Rated current        | 16 A  | -              | -  |  |                            |                                                                                          |

## Connection data

|                            |                           |                                 |                     |
|----------------------------|---------------------------|---------------------------------|---------------------|
| Total number of potentials | 4                         | <b>Connection 1</b>             |                     |
| Conductor preparation      | ultrasonically tip-bonded | Strip length                    | 9 mm / 0.35 inches  |
|                            |                           | Pole number                     | 4                   |
|                            |                           | Sheathed cable diameter         | 8.4 ... 10.5 mm     |
|                            |                           | Wire cross-section              | 1.5 mm <sup>2</sup> |
|                            |                           | 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 | 2 m                    |

## Mechanical data

|                                         |                                                                                                               |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Application                             | General mains applications                                                                                    |
| Coding                                  | A                                                                                                             |
| Variable coding                         | No                                                                                                            |
| Marking                                 | N 2 1                                                                                                         |
| 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 4G1.5                                                                                                 |
| 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>W/INSTA</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 lever                 | Yes                                                                                                                                                                                                       |
| 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                            | black                                                                                                                  |
| 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                        | 59.443 MJ                                                                                                              |
| Connector color                  | black                                                                                                                  |
| Strain relief color              | black                                                                                                                  |
| Sheathed cable color             | black                                                                                                                  |
| Printing color of sheathed cable | white                                                                                                                  |
| Halogen-free                     | No                                                                                                                     |
| Silicon-free                     | Yes                                                                                                                    |



| Material data             |            |
|---------------------------|------------|
| Sheath material           | PVC        |
| Rubber cable              | No         |
| Weight                    | 265.3 g    |
| Copper weight of the pipe | 0.058 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                  | 4055143523219 |
| Customs tariff number | 85444290900   |

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

Approvals / Certificates

| General approvals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          | Declarations of conformity and manufacturer's declarations |          |                  |                                 |   |             |                                 |          |             |                                 |          |             |                                       |          |           |                                       |          |           |                                       |   |            |                                                                                                                                                                                                                                                                                           |          |          |                  |                                                         |   |   |                                                         |   |   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------------------------------------------|----------|------------------|---------------------------------|---|-------------|---------------------------------|----------|-------------|---------------------------------|----------|-------------|---------------------------------------|----------|-----------|---------------------------------------|----------|-----------|---------------------------------------|---|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|------------------|---------------------------------------------------------|---|---|---------------------------------------------------------|---|---|
| <div>CCA CCA CCA   </div> <table><tr><th>Approval</th><th>Standard</th><th>Certificate Name</th></tr><tr><td>CCA<br/>DEKRA Certification B.V.</td><td>-</td><td>NTR NL 6374</td></tr><tr><td>CCA<br/>DEKRA Certification B.V.</td><td>EN 61535</td><td>NTR NL-7969</td></tr><tr><td>CCA<br/>DEKRA Certification B.V.</td><td>EN 61984</td><td>NTR NL-7848</td></tr><tr><td>KEMA/KEUR<br/>DEKRA Certification B.V.</td><td>EN 61535</td><td>71-123229</td></tr><tr><td>KEMA/KEUR<br/>DEKRA Certification B.V.</td><td>EN 61984</td><td>71-114944</td></tr><tr><td>KEMA/KEUR<br/>DEKRA Certification B.V.</td><td>-</td><td>2118353.01</td></tr></table> |          | 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 | <table><tr><th>Approval</th><th>Standard</th><th>Certificate Name</th></tr><tr><td>EU-Declaration of Confor-<br/>mity<br/>WAGO GmbH &amp; Co. KG</td><td>-</td><td>-</td></tr><tr><td>UK-Declaration of Confor-<br/>mity<br/>WAGO GmbH &amp; Co. KG</td><td>-</td><td>-</td></tr></table> | 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 | - | - |
| 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                                                 |          |                  |                                 |   |             |                                 |          |             |                                 |          |             |                                       |          |           |                                       |          |           |                                       |   |            |                                                                                                                                                                                                                                                                                           |          |          |                  |                                                         |   |   |                                                         |   |   |
| 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 Compliance<br>774-9994/106-201 |  |  |  |

| Documentation    |            |                 |  |
|------------------|------------|-----------------|--|
| Bid Text         |            |                 |  |
| 774-9994/106-201 | 19.02.2019 | xml<br>3.02 KB  |  |
| 774-9994/106-201 | 08.01.2015 | doc<br>24.00 KB |  |

| CAD/CAE-Data                          |  |  |  |
|---------------------------------------|--|--|--|
| CAE data                              |  |  |  |
| EPLAN Data Portal<br>774-9994/106-201 |  |  |  |
| WSCAD Universe<br>774-9994/106-201    |  |  |  |