

#### Cable assembly WINSTA® RD 3-pole

The WINSTA® RD cable assembly rated current 20 A supports rapid, correct installation. Our pluggable installation connectors with spring pressure connection technology work without screw connections. They allow fast, efficient, error-free installation in numerous applications. The mechanical coding and color 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 energised elements. This pluggable installation connector is used for electrical currents up to 20 A. Thus the product is especially suitable for high power loads. WINSTA® RD: Solutions from this product line fit into drill holes and conduits with diameters up to 20 mm. Building safety must be ensured at all times, even after the electrical installation stage. The required safety requirements in connection with EU CPR are met by this product through fire class E.

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

A RD socket, a RD socket and a MIDI plug are provided. The WINSTA® Pluggable Connection System is ideally tailored to the strict requirements of building installation. It makes electrical installation pluggable, and thus more efficient, more reliable, and error-free. Using this pre-assembled system decreases assembly times and installation errors at the construction site. Choose quality and durability – with strain relief hosting from WAGO makes the electrical installation of electrical components visibly easier.

- protection against mismatching eliminates errors
- products perfectly tailored to your requirements guarantee safe use
- suitable for any application
- flexible installation to save space
- 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		
Overtoltage 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  
approx. 0.25 mΩ contact transition plug/  
socket

## Connection Data

Total number of potentials 4

## Connection 1

Pole number 3  
Wire cross-section 2.5 mm<sup>2</sup>  
Connection type RD socket; RD socket - MIDI plug

## Connection 2

Pole number 3  
Sheathed cable diameter 9.2 ... 11.4 mm  
Wire cross-section 2.5 mm<sup>2</sup>

## Connection 3

Pole number 3

## Physical data

Pin spacing 10 mm / 0.394 inches  
Width 35 mm / 1.378 inches  
Height 17.5 mm / 0.689 inches  
Total length 0.4 m

## Mechanical data

Use General mains applications  
Coding A  
Coding 2 A  
Variable coding Yes  
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 RD socket; RD socket - MIDI plug  
Type of pre-assembled cable Y-cable  
Cable type H05VV-F 3G2.5  
Cable type 2 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: a.) plugging different numbers of poles b.) plugging while incorrectly rotated c.) plugging while laterally staggered
Locking of plug-in connection	Locking lever

### Material data

Note (material data)	<a href="#">Information on material specifications can be found here</a>
Fire class per EN 50575	E <sub>ca</sub>
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin
Fire load	22.684 MJ
Connector color	black
Strain relief color	black
Connector color 2	black
Strain relief color 2	black
Connector color 3	black
Strain relief color 3	black
Sheathed cable color	black
Printing color of sheathed cable	white
Sheathed cable color 2	black
Printing color of sheathed cable 2	white
Halogen-free	No
Silicon-free	Yes
Sheath material	PVC
Rubber cable	No
Weight	150.9 g
Copper weight of the raw cable	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) Insulating parts for temperatures ≤ 105 °C

### Commercial data

PU (SPU)	1 pcs
Packaging type	unpacked
Country of origin	DE
GTIN	4066966302271
Customs tariff number	85444290900

**Product Classification**


UNSPSC	26121629
ETIM 9.0	EC002587
ETIM 10.0	EC002587
ECCN	NO US CLASSIFICATION

**Environmental Product Compliance**

RoHS Compliance Status	Compliant, No Exemption
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**Environmental Product Compliance**





Compliance Search
Environmental Product Compliance 774-5001/106-000 

**1 Compatible Products**

**1.1 Required Accessories**

**1.1.1 Locking system**

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<a href="#">Item No.: 770-101</a> Locking lever; for flying leads; for manual operation; black	<a href="#">Item No.: 770-121</a> Locking lever; for flying leads; for manual operation; white	<a href="#">Item No.: 770-111</a> Locking lever; for flying leads; for tool operation; black	<a href="#">Item No.: 770-131</a> Locking lever; for flying leads; for tool operation; white

**1.2 Optional Accessories**




**1.2.1 Coding**

**1.2.1.1 Coding**


<a href="#">Item No.: 770-401</a> Coding pin; for plugs; Plastic; gray

**1.2.2 Cover**

**1.2.2.1 Cover**

		
<a href="#">Item No.: 770-201</a> Lockout cap; 12-pole, separable; for sockets; Plastic; black	<a href="#">Item No.: 770-221</a> Lockout cap; 12-pole, separable; for sockets; Plastic; white	<a href="#">Item No.: 770-360</a> Lockout cap; for plugs; 5-pole; separable; yellow

## 1.2.3 Marking

### 1.2.3.1 Marking strip



**Item No.: 210-334**

Marking strips; as a DIN A4 sheet; Strip width 5 mm; Strip length 182 mm; plain; Self-adhesive; white