



#### Cable assembly WINSTA® RD A coding

The WINSTA® RD cable assembly with protection type IP20 is the pluggable solution for your application in control cabinets, for lighting connections or on PCBs. WAGO pluggable installation connectors can be used when requirements repeat or are distributed on a specific grid, for example for installing grid lighting or flush-mount lighting. The coding options reduce installation errors, allowing fast, secure 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 live contact elements. The WINSTA® RD offers a round design that is very good for installation in conduits with an inner diameter of 20 mm, for example in the prefabricated house sector. Of course, the safety of buildings must always be ensured, even after the electrical installation has been performed. The mandatory safety requirements in connection with EU CPR are met by this product through fire class E.

#### Fast, secure pluggable connections – cable assemblies from WAGO

The cable is pre-assembled with a RD socket, a RD socket, a MIDI plug and a MIDI socket. 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. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with fire class E from WAGO.

- protection against mismatching eliminates errors
- products perfectly tailored to your requirements guarantee safe use
- with A coding for use in many general mains applications
- ready for immediate use
- 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			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	250 V	-	-		
Rated impulse withstand voltage	4 kV	-	-		
Rated current	16 A	-	-		

## Connection Data

Total number of potentials	3	<b>Connection 1</b>	
		Pole number	3
		Wire cross-section	1.5 mm <sup>2</sup>
		Connection type	RD socket; RD socket - MIDI plug; MIDI socket

## Connection 2

Pole number	3
Sheathed cable diameter	7.4 ... 9.4 mm
Wire cross-section	1.5 mm <sup>2</sup>

## Connection 3

Pole number	3
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## Connection 4

Pole number	3
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## Physical data

Pin spacing	10 mm / 0.394 inches
Width	72 mm / 2.835 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; MIDI socket
Type of pre-assembled cable	Y-cable
Cable type	H05VV-F 3G1.5
Cable type 2	H05VV-F 3G1.5
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	25.713 MJ
Connector color	white
Strain relief color	white
Connector color 2	white
Strain relief color 2	white
Connector color 3	black
Strain relief color 3	black
Connector color 4	brown
Sheathed cable color	white
Printing color of sheathed cable	black
Sheathed cable color 2	white
Printing color of sheathed cable 2	black
Halogen-free	No
Silicon-free	Yes
Sheath material	PVC
Rubber cable	No
Weight	127.5 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	4066966302486
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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**Downloads**

**Environmental Product Compliance**

Compliance Search	
Environmental Product Compliance 774-5001/104-000	

**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**

[Item No.: 770-401](#)  
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