



Dimensions in mm

Cable assembly *WINSTA*® RD with protection type IP20

The *WINSTA*® RD cable assembly 3-pole is the pluggable solution for your use in control cabinets, on PCBs or for lighting connections. 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 against ingress by solid objects in accordance with protection type IP20 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). *WINSTA*® RD: Solutions from this product line fit into drill holes and conduits with diameters up to 20 mm. This product meets all the relevant fire protection requirements of fire class E; thus it can be used in domains where fire safety is relevant.

Fast, secure pluggable connections – cable assemblies from WAGO

The cable is pre-assembled with a plug and a free end. The *WINSTA*® Pluggable Connection System is perfectly tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and therefore faster, more reliable, and error-free. Use of this pre-assembled system decreases time spent on assembly and errors during installation at the construction site. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with protection against mismatching from WAGO.

- pluggable installation connectors with protection against mismatching
- saves time, since no wiring is required at the construction site
- suitable for any application
- custom-engineered solutions
- 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			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 surge voltage	4 kV	-	-			
Rated current	16 A	-	-			

## Connection data

Total number of potentials	3	<b>Connection 1</b>	
PE function	Preceding PE contact	Strip length	9 mm / 0.35 inches
Conductor preparation	ultrasonically tip-bonded	Pole number	3
		Sheathed cable diameter	7.4 ... 9.4 mm
		Wire cross-section	1.5 mm <sup>2</sup>
		Strip length (outer insulation)	55 mm
		Connection type	Plug - free end

## Physical data

Width	17.5 mm / 0.689 inches
Height	17.5 mm / 0.689 inches
Total length	7 m

## Mechanical data

Application	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	Plug - free end
Type of pre-assembled cable	Connecting cable
Cable type	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 <i>W/INSTA</i> ® 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="https://www.wago.com/us/material-specifications">Information on material specifications can be found here</a>
Color	white
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	209.474 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



Material data	
Rubber cable	No
Weight	700.8 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) 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	4045454323516
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><div>CCA CCA</div><div><div>KEMA</div><div>KEUR</div></div><div><div>KEMA</div><div>KEUR</div></div></div>		
Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 61535	NTR NL-7969
CCA DEKRA Certification B.V.	EN 61984	NTR NL-7848
KEMA/KEUR DEKRA Certification B.V.	EN 61535	71-123229
KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-114944
Approval	Standard	Certificate Name
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-



Downloads			
Environmental Product Compliance			
Compliance Search			
Environmental Product Compliance	774-9993/206-702		<a href="#">↓</a>

Documentation			
Bid Text			
774-9993/206-702	19.02.2019	xml 2.97 KB	<a href="#">↓</a>
774-9993/206-702	08.01.2015	doc 24.00 KB	<a href="#">↓</a>

CAD/CAE-Data			
CAD data		CAE data	
2D/3D Models	774-9993/206-702	EPLAN Data Portal	774-9993/206-702
	<a href="#">↓</a>		<a href="#">↓</a>
		WSCAD Universe	774-9993/206-702
			<a href="#">↓</a>
		ZUKEN Portal	774-9993/206-702
			<a href="#">↓</a>