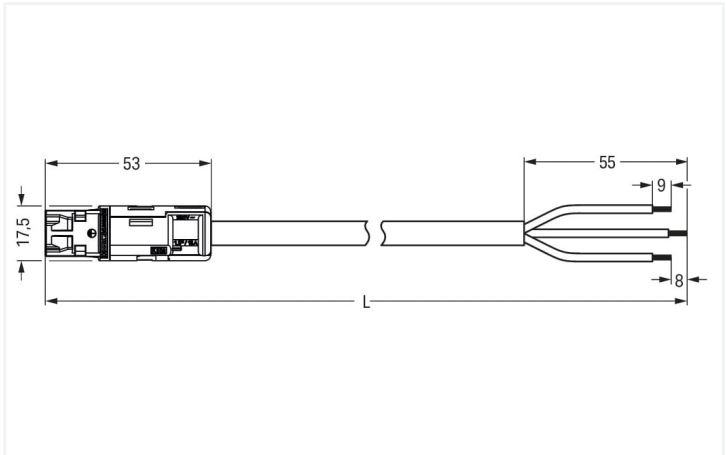




Color: ■ black



Dimensions in mm

Cable assembly WINSTA® RD with strain relief

For signal and power transmission: The WINSTA® RD cable assembly with protection against mismating. The color coding and mechanical coding of the pluggable installation connector ensure error-free installation of the individual components – including 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!)). This pluggable installation connector is used for electrical currents up to 20 A. Thus the product is ideally suitable for high power loads. WINSTA® RD: Solutions from this product line are suitable for drill holes and conduits with diameters up to 20 mm. According to the European CPR, the fire class of the cables used for construction is essential for building safety as well. For houses with average safety requirements, cable assemblies with fire class E are suitable.

Pluggable connections instead of screw connections – cable assemblies from WAGO

A plug and a free end are provided. WINSTA® is the pluggable connection system that is ideally tailored to the strict requirements of electrical installation. It allows error-free installation of cables and components, quickly and reliably. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with strain relief hosting from WAGO.

- protection against mismating eliminates errors
- saves time, since no wiring is required at the construction site
- with A coding for use in many general mains applications
- 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		
Overvoltage category	III	III	II	General information 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	20 A	-	-	



Connection data			
Total number of potentials	3	Connection 1	
PE function	Preceding PE contact		
Conductor preparation	ultrasonically tip-bonded		
		Strip length	9 mm / 0.35 inches
		Pole number	3
		Sheathed cable diameter	9.2 ... 11.4 mm
		Wire cross-section	2.5 mm²
		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		3 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 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 <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)		Information on material specifications can be found here
Color		black
Insulation material		Polyamide (PA66)
Fire class per EN 50575		E _{ca}
Contact material		Copper or copper alloy; surface-treated
Contact plating		Tin
Fire load		89.423 MJ
Connector color		black
Strain relief color		black
Sheathed cable color		black
Printing color of sheathed cable		white
Halogen-free		No
Silicon-free		Yes
Sheath material		PVC



Material data	
Rubber cable	No
Weight	478.8 g
Copper weight of the pipe	0.072 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	4045454324452
Customs tariff number	85444290900

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations		
CCA CCA KEMA KEUR KEMA KEUR KEMA KEUR					
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 61535	NTR NL-7969	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
CCA DEKRA Certification B.V.	EN 61984	NTR NL-7848	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
KEMA/KEUR DEKRA Certification B.V.	EN 61535	71-123229			
KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-114944			
KEMA/KEUR DEKRA Certification B.V.	-	2118353.02			



Downloads			
Environmental Product Compliance			
Compliance Search			
Environmental Product Compliance	774-9993/207-301		

Documentation			
Bid Text			
774-9993/207-301	19.02.2019	xml 2.90 KB	
774-9993/207-301	08.01.2015	doc 22.50 KB	

CAD/CAE-Data			
CAE data			
EPLAN Data Portal	774-9993/207-301		
WSCAD Universe	774-9993/207-301		