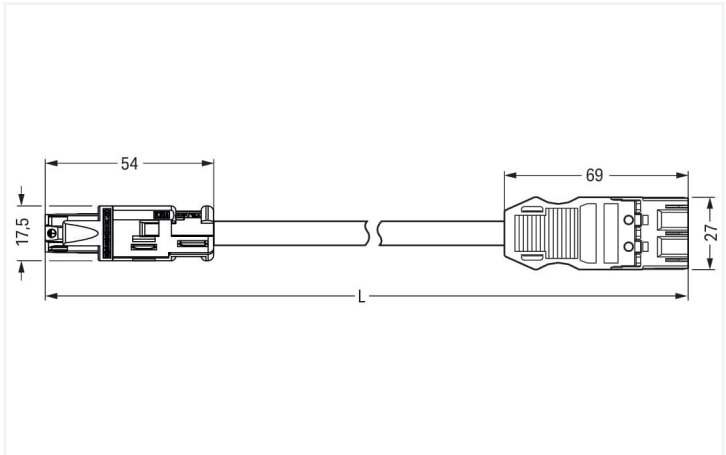




Color: ■ black



Dimensions in mm

Cable assembly WINSTA® RD 3-pole

The WINSTA® RD cable assembly rated current 20 A allows assembly of solid and fine-stranded conductors. For greater security in electrical installations, the pluggable installation connector is equipped with mechanical protection against mismatching. The pluggable installation connector offers touch-proof protection 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!)). Important parameters in the selection of a pluggable installation connector are the rated current and voltage: They tell us about the product's domains of use. This product has a current rating of 20 A – as a result it is also suitable for robust loads. The WINSTA® RD offers a round design that is perfect for installation in conduits with an inner diameter of 20 mm, such as in the prefabricated house sector. If you need to meet stricter safety standards, you should use cables with fire class C. These are suitable for use in buildings with special high demands on safety. Eliminating halogens as an additive in the manufacture of this cable assembly significantly improves fire safety and reduces environmental pollution.

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

The cable assembly is equipped with a RD socket and a MIDI plug. The WINSTA® Pluggable Connection System is ideally tailored to the strict requirements of building installation. It makes electrical installation pluggable, and thus more efficient, even more reliable, and error-free. Use of this pre-assembled system reduces time spent on assembly and installation errors at the construction site. Enjoy the benefits of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with protection type IP20 from WAGO.

- protection against mismatching eliminates errors
- saves time, since no wiring is required at the construction site
- suitable for any application
- exact dimensions
- convenient installation and commissioning

Notes	
Note	Cables with a different fire class can be found in the eShop.

Electrical data					General information	
Ratings per		IEC/EN 60664-1			Note on contact resistance	
Overvoltage category	III	III	II		approx. 1 mΩ of contact resistance	
Pollution degree	3	2	2		approx. 0.25 mΩ contact transition plug/ socket	
Nominal voltage	250 V	-	-			
Rated surge voltage	4 kV	-	-			
Rated current	20 A	-	-			



Connection data		
Total number of potentials		3
Connection 1		
Pole number		3
Sheathed cable diameter		9.2 ... 11.4 mm
Wire cross-section		2.5 mm²
Connection type		RD socket - MIDI plug
Physical data		
Width		27 mm / 1.063 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
Potential marking		N L
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 - MIDI plug
Type of pre-assembled cable		Adapter cable
Cable type		H05Z1Z1-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)		Information on material specifications can be found here
Color		black
Insulation material		Polyamide (PA66)
Flammability class per UL94		V0
Fire class per EN 50575		C _{ca}
Contact material		Copper or copper alloy; surface-treated
Contact plating		Tin
Fire load		0.481 MJ
Connector color		black
Strain relief color		black
Sheathed cable color		black
Printing color of sheathed cable		white
Halogen-free		Yes
Silicon-free		Yes
Sheath material		Halogen-free



Material data	
Rubber cable	No
Weight	1125.7 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	4055143779630
Customs tariff number	85444290900

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates

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

Downloads

Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 774-9393/1567-701	



CAD/CAE-Data	
CAE data	
EPLAN Data Portal 774-9393/1567-701	