

Data Sheet | Item Number: 774-9993/017-501

pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. A; H05Z1Z1-F
3G 2.5 mm²; 5 m; 2,50 mm²; black

<https://www.wago.com/774-9993/017-501>



Color: ■ black



Dimensions in mm

Cable assembly WINSTA® RD 3-pole

For signal and power transmission: The WINSTA® RD cable assembly with protection type IP20. WAGO pluggable installation connectors are used when criteria repeat or are distributed on a specified pattern, for example for installing grid lighting or flush-mount lighting. For greater security in electrical installations, the pluggable installation connector is provided with mechanical protection against mismatching. The pluggable installation connector is pro-

tected 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!)). This pluggable installation connector can be employed for a current load of up to 20 A. As a result, it can also be used for high power loads. With *WINSTA*® RD, we have created a product line that fits optimally into boreholes or conduits thanks to its design. According to the European CPR, the fire class of the cables used for construction is essential for the safety of buildings as well. For buildings with medium-level safety requirements, cable assemblies with fire class E are suitable. Not using halogen additives in the manufacture of this cable assembly significantly improves fire safety and minimises environmental pollution.

Pluggable connections instead of screw connections – cable assemblies from WAGO

The cable is pre-assembled with a socket and a plug. The *WINSTA*® Pluggable Connection System is perfectly tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and therefore more efficient, even more reliable, and error-free. Use of 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 noticeably easier.

- 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
- quick replacement of defective units during ongoing operation

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
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	3
PE function	Preceding PE contact

Connection 1	
Pole number	3
Wire cross-section	2.5 mm ²
Connection type	Socket - Plug

Physical data	
Width	17.5 mm / 0.689 inches
Height	17.5 mm / 0.689 inches
Total length	5 m

Mechanical data	
Use	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	Socket - Plug
Type of pre-assembled cable	Interconnecting cable

Mechanical data

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 (main housing)	Polyamide (PA66)
Fire class per EN 50575	E _{ca}
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin
Fire load	148.91 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
Rubber cable	No
Weight	747.8 g
Copper weight of the raw cable	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

PU (SPU)	1 pcs
Packaging type	unpacked
Country of origin	DE
GTIN	4045454321055
Customs tariff number	85444290900

Product Classification

UNSPSC	26121629
eCl@ss 10.0	27-44-06-04
eCl@ss 9.0	27-44-06-04
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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Approvals / Certificates

General approvals **Declarations of conformity and manufacturer's declarations**



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
KEMA/KEUR DEKRA Certification B.V.	-	2118353.01

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 774-9993/017-501	↓

Documentation

Bid Text			
774-9993/017-501	08.01.2015	doc 23.00 KB	↓
774-9993/017-501	19.02.2019	xml 2.97 KB	↓

CAD/CAE-Data

CAE data

EPLAN Data Portal
774-9993/017-501



WSCAD Universe
774-9993/017-501

