Data Sheet | Item Number: 774-9973/216-505

pre-assembled connecting cable; Eca; Plug/open-ended; 3-pole; Cod. S; H05Z1Z1-F 3x1,5 mm²; 5 m; 1,50 mm²; brown

https://www.wago.com/774-9973/216-505

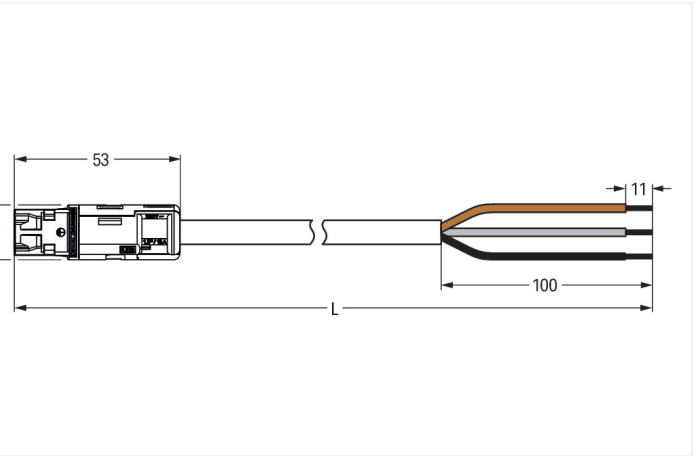




Color: brown







Dimensions in mm

Cable assembly *WINSTA*® RD 3-pole

Use effective pluggable connections instead of laborious screw connections: With the *WINSTA*® RD cable assembly with protection type IP20. WAGO pluggable installation connectors are used when criteria repeat or are planned on a specific pattern, 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 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!)). The *WINSTA*® RD features a round design that is ideal for use in conduits with an inner diameter of 20 mm, for example in the prefabricated house sector. This product meets all the mandatory fire protection requirements of fire class E; therefore it can be used in areas where fire safety is relevant. Eliminating halogens as an additive in the manufacture of this cable assembly substantially increases fire safety and reduces environmental contamination.

Fast, secure pluggable connections – cable assemblies from WAGO

A plug and a free end are available. The WINSTA® Pluggable Connection System is ideally tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and consequently more efficient, more reliable, and error-free. Using this pre-assembled system decreases time spent on assembly and installation errors at the construction site. Now you can also reduce installation costs without compromising quality and safety: with fire class E reduces the need for servicing and prevents unnecessary downtime.

- effective protection against mismating
- saves time, since no wiring is required at the construction site
- with S coding for use in components such as motors or frequency converters
- exact dimensions
- 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
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-
Rated current	16 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
Conductor preparation	ultrasonically tip-bonded

Connection 1

Strip length	11 mm / 0.43 inches
Pole number	3
Wire cross-section	1.5 mm²
Strip length (outer insulation)	100 mm
Connection type	Plug - free end

Physical data

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

 Continued on next page

Mechanical data

Use	Switching function
Coding	S
Variable coding	No
Marking	1 2 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	Plug - free end
Type of pre-assembled cable	Connecting cable
Cable type	H05Z1Z1-F 3x1.5
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	brown
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	149.384 MJ
Connector color	brown
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	491.6 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	4055143240840
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

Approvals / Certificates

General approvals

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

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance
774-9973/216-505

Documentation

Bid Text

774-9973/216-505	19.02.2019	xml 3.00 KB
774-9973/216-505	19.02.2015	doc 24.00 KB

CAD/CAE-Data

CAD data

2D/3D Models
774-9973/216-505

CAE data

ZUKEN Portal
774-9973/216-505