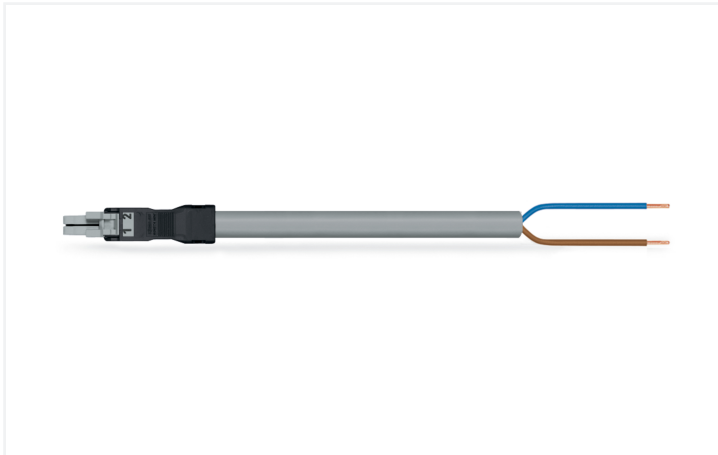


Data Sheet | Item Number: 891-8992/105-503

pre-assembled connecting cable; Eca; Socket/open-ended; 2-pole; Cod. B; Control cable 2 x 1.0 mm²; 5 m; 1,00 mm²; gray

<https://www.wago.com/891-8992/105-503>



Color: ■ gray



Dimensions in mm

Cable assembly WINSTA® MINI B coding

For signal and power transmission: The WINSTA® MINI cable assembly rated current 10 A. WAGO pluggable installation connectors are useful when specifications 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 equipped with mechanical protection against mismatching. The pluggable installation connector is protected against ingress by solid granular objects with a diameter below 1 mm in accordance with protection type IP40. Solutions like the WINSTA® MINI pluggable installation connectors with B coding are suitable for process control, for example, for lighting or within data networks. WINSTA® MINI follows the trend towards miniaturisation. Our smallest pluggable connection system is very good for lights, for example, since due to LED technology, these offer less and less space for the connection technology. Of course, the safety of buildings must always be ensured, even after the electrical installation has been performed. The required safety requirements in connection with EU CPR are met by this product through fire class E.

Fast, secure pluggable connections – cable assemblies from WAGO

The cable is pre-assembled with a socket and a free end. WINSTA® is the pluggable connection system that is optimally tailored to the strict requirements of electrical installation. It offers error-free installation of cables and components, quickly and reliably. Now you can also cut installation expenses without compromising safety and quality: with strain relief hosting reduces the need for servicing and prevents unnecessary downtime.

- effective protection against mismatching
- easy tool-free operation, a wide range of coding options
- with B coding for use in process automation, such as lighting technology, among other examples
- ready to install and use immediately
- rapid, structured electrical installation

Notes

Note	Cables with a different fire class can be found in the eShop.
Variants:	Other pole markings Other versions (or variants) can be requested from WAGO Sales or configured at https://configurator.wago.com/ .

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	10 A	-	-

General information

Note on contact resistance	approx. 1 mΩ of contact resistance approx. 0.25 mΩ contact transition plug/ socket
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Connection Data

Total number of potentials	2
Conductor preparation	ultrasonically tip-bonded

Connection 1

Strip length	9 mm / 0.35 inches
Pole number	2
Wire cross-section	1 mm ²
Strip length (outer insulation)	32 mm
Connection type	Socket - free end

Physical data

Pin spacing	4.4 mm / 0.173 inches
Width	15.6 mm / 0.614 inches
Height	13.2 mm / 0.52 inches
Total length	5 m

Mechanical data

Use	Control technology
Coding	B
Variable coding	No
Marking	1 2
Potential marking	1 2
Mating force of a plug-in connection	approx. 20 ... 70 N (depending on pole number)
Retention force of a plug-in connection	when locked: > 80N
Unmating force of a plug-in connection	when unlocked: approx. 20 ... 70 N (depending on pole number)
Number of mating cycles	200, without resistive load
Connection type	Socket - free end
Type of pre-assembled cable	Connecting cable
Cable type	Control line 2x1
Protection type	IP40

Plug-in connection

Mismating protection	Yes
Note on mismating protection	All <i>WINSTA</i> ® components are 100% protected against mismating when: a.) plugging different numbers of poles b.) plugging while rotated 180 c.) plugging while laterally staggered d.) plugging one pole
Locking lever	Can be retrofitted
Locking of plug-in connection	Locking lever
Note on locking system	All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Material data

Note (material data)	Information on material specifications can be found here
Color	gray
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	0.146 MJ
Connector color	gray
Strain relief color	black
Sheathed cable color	gray
Printing color of sheathed cable	black
Halogen-free	No
Silicon-free	Yes
Sheath material	PVC
Rubber cable	No
Weight	239.4 g
Copper weight of the raw cable	0.0192 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	PL
GTIN	4050821489818
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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Downloads

Environmental Product Compliance

Compliance Search

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891-8992/105-503



Documentation

Bid Text

891-8992/105-503	19.02.2019	xml 3.01 KB	
891-8992/105-503	02.12.2014	doc 24.50 KB	

CAD/CAE-Data

CAE data

EPLAN Data Portal
891-8992/105-503



WSCAD Universe
891-8992/105-503



1 Compatible Products

1.1 Required Accessories

1.1.1 Locking system

1.1.1.1 Locking system



[Item No.: 890-111](#)

Locking lever; for flying leads; for tool operation; black

[Item No.: 890-131](#)

Locking lever; for flying leads; for tool operation; white

[Item No.: 890-101](#)

Locking lever; for manual operation; black

[Item No.: 890-121](#)

Locking lever; for manual operation; white

1.2 Optional Accessories

1.2.1 Cover

1.2.1.1 Cover



[Item No.: 897-2001](#)

Protective cap; Type1; for sockets and plugs; PVC; red

1.2.2 Installation

1.2.2.1 Mounting accessories



Item No.: 890-310

Mounting carrier; 2- to 5-pole; for flying leads; black



Item No.: 890-311

Mounting carrier; 2- to 5-pole; for flying leads; white