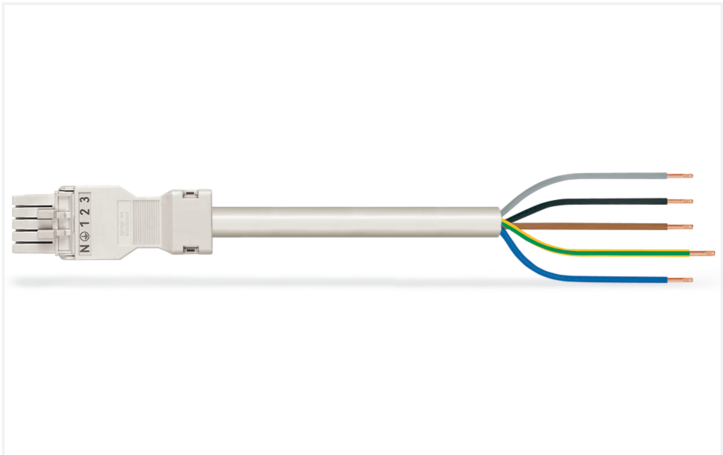
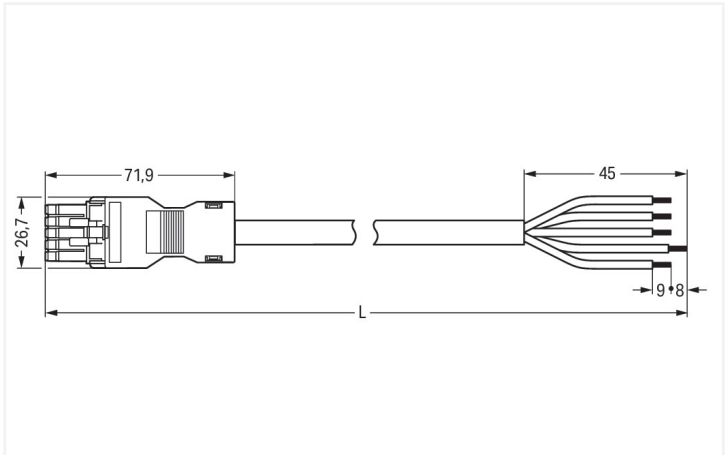




Color: white



Dimensions in mm

Cable assembly WINSTA® MINI with protection type IP40

The WINSTA® MINI cable assembly rated current 13 A allows assembly of fine-stranded and solid conductors. On PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to establish connections according to a huge variety of requirements in seconds. For greater security in electrical installations, the pluggable installation connector is equipped with mechanical protection against mismating. The pluggable installation connector is protected against ingress by solid granular objects with a diameter of less than 1 mm in accordance with protection type IP40. The WINSTA® MINI pluggable installation connector with A coding in white or black is usually used for general mains applications in power distribution. Thanks to its particularly minimal dimensions, our WINSTA® MINI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology is specifically suitable in very restricted spaces, i.e., for installations when very little room is available. Building safety must be ensured at all times, even after the electrical installation stage. The mandatory safety requirements in connection with EU CPR are met by this product through fire class E. In the production of this cable assembly, we eliminated the use of halogen. That is an important contribution to climate protection.

Pluggable connections instead of screw connections – cable assemblies from WAGO

The cable assembly is provided with a socket and a free end. WINSTA® is the pluggable connection system that is ideally tailored to the strict requirements of electrical installation. It offers fast, secure and, above all, error-free installation of components and cables. Now you can also cut installation costs without compromising safety and quality: with protection type IP40 reduces the need for servicing and prevents unnecessary downtime.

- effective protection against mismating
- consistent IP40 protection
- with A coding for a large number of applications
- ready to install and use immediately
- quick replacement of defective units during ongoing operation

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	400 V	-	-		
Rated surge voltage	6 kV	-	-		
Rated current	13 A	-	-		



Connection data		
Total number of potentials	5	Connection 1
Conductor preparation	ultrasonically tip-bonded	
Strip length	9 mm / 0.35 inches	
Pole number	5	
Wire cross-section	1.5 mm²	
Strip length (outer insulation)	45 mm	
Connection type	Socket - free end	

Physical data		
Pin spacing		4.4 mm / 0.173 inches
Width		26.7 mm / 1.051 inches
Height		15.8 mm / 0.622 inches
Total length		3 m

Mechanical data		
Use		General mains applications
Coding		A
Variable coding		No
Marking		N ⊕ 1 2 3
Potential marking		N ⊕ 1 2 3
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		H05Z1Z1-F 5G1.5
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		white
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		89.984 MJ
Connector color		white
Strain relief color		white



Material data	
Sheathed cable color	white
Printing color of sheathed cable	black
Halogen-free	Yes
Silicon-free	Yes
Sheath material	Halogen-free
Rubber cable	No
Weight	472.8 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 9.0	EC002587
ETIM 8.0	EC002587
PU (SPU)	1 pcs
Packaging type	unpacked
Country of origin	PL
GTIN	4055143400183
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 DEKRA Certification B.V.	EN 61535	NTR NL-7971
KEMA/KEUR DEKRA Certification B.V.	EN 61535	71-123232

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			↓
891-8995/116-302			

Documentation

Bid Text			
891-8995/116-302	19.02.2019	xml 3.01 KB	↓
891-8995/116-302	01.12.2014	doc 25.00 KB	↓

CAD/CAE-Data

CAE data	
EPLAN Data Portal 891-8995/116-302	↓
WSCAD Universe 891-8995/116-302	↓

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.: 897-2003](#)
Protective cap; Type2; 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