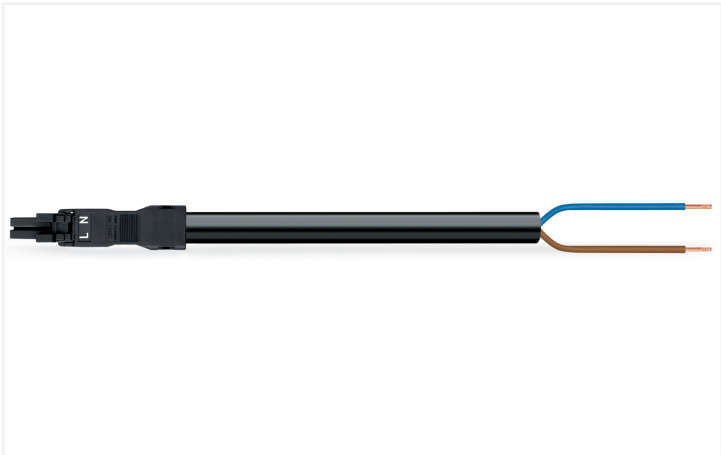
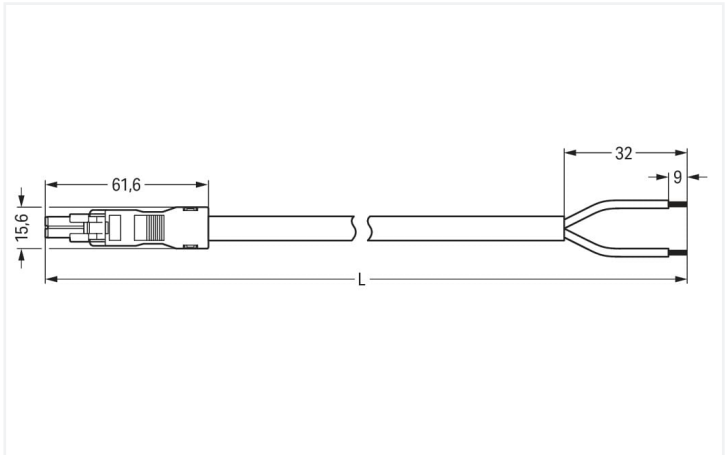




Color: ■ black



Dimensions in mm

Cable assembly WINSTA® MINI A coding

Use effective pluggable connections instead of laborious screw connections: With the WINSTA® MINI cable assembly with protection type IP40. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to make connections according to many different requirements in no time flat. The coding options reduce installation errors, allowing fast, maintenance-free wiring of all components. The pluggable installation connector is protected against ingress by solid granular objects with a diameter below 1 mm in accordance with protection type IP40. The WINSTA® MINI pluggable installation connector with A coding in black or white is usually used for general mains applications in power distribution. WINSTA® MINI follows the trend towards miniaturisation. Our smallest pluggable connection system is primarily suited for lights, for example, since as a result of LED technology; due to complex systems, these offer significantly less space for the connection technology. According to the European CPR, the fire class of the cables used for construction is decisive for the safety of buildings, too. For buildings with medium-level safety requirements, cable assemblies with fire class E are suitable.

Pluggable connections instead of screw connections – cable assemblies from WAGO

A socket and a free end are provided. WINSTA® is the pluggable connection system that is perfectly 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 quality and safety: with protection type IP40 reduces the need for servicing and prevents unnecessary downtime.

- effective protection against mismatching
- consistent IP40 protection
- for any mains application
- custom-engineered solutions
- 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		10 A	-	-		



Connection data			
Total number of potentials	2	Connection 1	
Conductor preparation	ultrasonically tip-bonded	Strip length	9 mm / 0.35 inches
		Pole number	2
		Wire cross-section	1 mm²
		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		4 m	

Mechanical data			
Use		General mains applications	
Coding		A	
Variable coding		No	
Marking		L N	
Potential marking		L N	
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		H05VV-F 2x1	
Protection type		IP40	

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 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		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		119.626 MJ	
Connector color		black	
Strain relief color		black	



Material data	
Sheathed cable color	black
Printing color of sheathed cable	white
Halogen-free	No
Silicon-free	Yes
Sheath material	PVC
Rubber cable	No
Weight	233.5 g
Copper weight of the pipe	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	
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	4055143323079
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			↓
891-8992/105-401			

Documentation

Bid Text			
891-8992/105-401	19.02.2019	xml 2.99 KB	↓
891-8992/105-401	24.11.2014	doc 24.00 KB	↓

CAD/CAE-Data

CAE data	
EPLAN Data Portal 891-8992/105-401	↓
WSCAD Universe 891-8992/105-401	↓

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