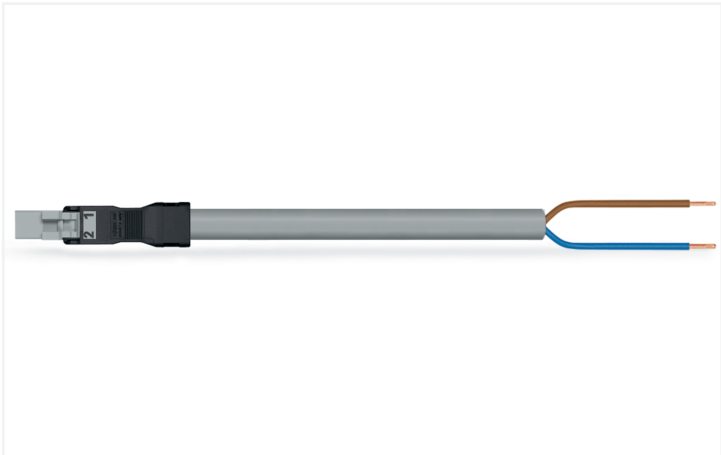
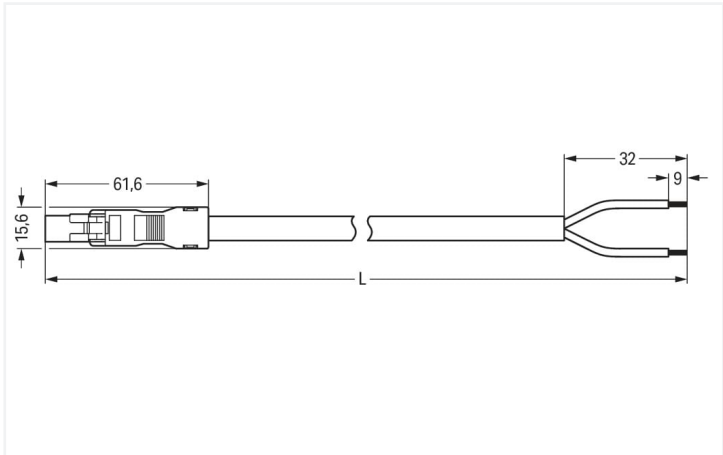




Color: ■ gray



Dimensions in mm

Cable assembly WINSTA® MINI with strain relief

The WINSTA® MINI cable assembly with protection type IP20 allows assembly of solid and fine-stranded conductors. WAGO pluggable installation connectors are useful when specifications repeat or are distributed on a defined grid, for example for installing grid lighting or flush-mount lighting. For greater protection in electrical installations, the pluggable installation connector is equipped with mechanical protection against mismatching. Solutions like the WINSTA® MINI pluggable installation connectors with B coding are appropriate for applications involving process control, for example, for lighting or within data networks. WINSTA® MINI satisfies the demand for miniaturisation. Our smallest pluggable connection system is primarily suited for lights, for instance, since as a result of LED technology; due to complex systems, these offer less and 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 as well. For houses with medium-level safety requirements, cable assemblies with fire class E are suitable.

Pluggable connections instead of screw connections – cable assemblies from WAGO

The cable is pre-assembled with a plug and a free end. The WINSTA® Pluggable Connection System allows pluggable electrical installation. This saves time, lowers costs, and reduces the need for servicing. Now you can also cut installation expenses without compromising safety and quality: with protection type IP20 eliminates the need for servicing and prevents unnecessary downtime.

- pluggable installation connectors with protection against mismatching
- compact design for conductors with a cross-section up to 1.5 mm²
- with B coding for use in automation of processes, such as lighting technology, among other examples
- 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.
Variants:	Other pole markings Other versions (or variants) can be requested from WAGO Sales or configured at https://configurator.wago.com/ .

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		16 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	1.5 mm²
		Strip length (outer insulation)	32 mm
		Connection type	Plug - 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		1 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		Plug - free end	
Type of pre-assembled cable		Connecting cable	
Cable type		Control line 2x1.5	
Protection type		IP20; IP40 when mated	

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		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		0.194 MJ	
Connector color		gray	
Strain relief color		black	



Material data	
Sheathed cable color	gray
Printing color of sheathed cable	black
Halogen-free	No
Silicon-free	Yes
Sheath material	PVC
Rubber cable	No
Weight	69.6 g
Copper weight of the pipe	0.029 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	4050821622550
Customs tariff number	85444290900

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 891-8992/206-103	

Documentation

Bid Text			
891-8992/206-103	19.02.2019	xml 3.02 KB	
891-8992/206-103	02.12.2014	doc 24.50 KB	



CAD/CAE-Data	
CAE data	
EPLAN Data Portal 891-8992/206-103	
WSCAD Universe 891-8992/206-103	

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

Subject to changes. Please also observe the further product documentation!

Current addresses can be found at: www.wago.com