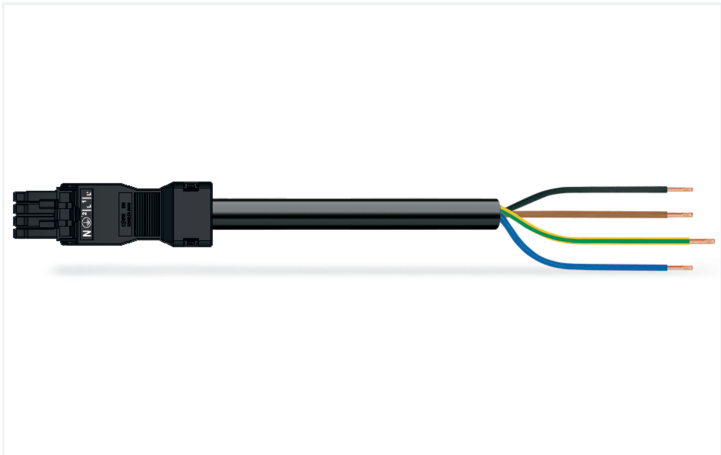
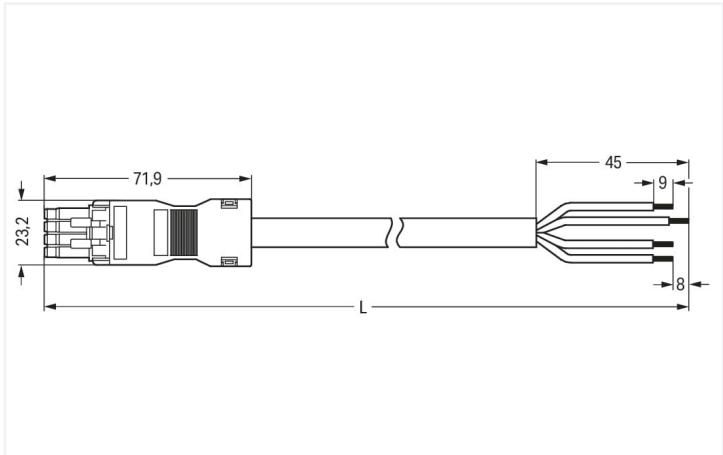




Color: ■ black



Dimensions in mm

Cable assembly WINSTA® MINI with protection type IP40

The WINSTA® MINI cable assembly with protection against mismatching allows installation of solid and fine-stranded conductors. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to establish connections according to various requirements in next to no time. For greater security in electrical installations, the pluggable installation connector is equipped with mechanical protection against mismatching. The pluggable installation connector offers protection against contact with wires or tools if they are smaller than 1 mm in accordance with protection type IP40. Thanks to the color coding and mechanical A coding of WINSTA® MINI pluggable installation connectors, you can clearly distinguish different circuits. Especially if only limited space is available, our smallest pluggable connection system, WINSTA® MINI, consistently displays its strengths. It saves space, and, thanks to Push-in CAGE CLAMP® spring pressure connection technology, it also can be installed quickly, since the connection is low-maintenance and can be performed without screw connections. According to the European CPR, the fire class of the cables used in construction is decisive for the safety of buildings, too. For houses with medium-level safety requirements, cable assemblies with fire class E are suitable.

Fast, secure pluggable connections – cable assemblies from WAGO

The cable assembly is equipped with a socket and a free end. WINSTA® is the pluggable connection system that is perfectly tailored to the strict requirements of electrical installation. It offers error-free installation of cables and components, quickly and reliably. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with protection type IP40 from WAGO.

- pluggable installation connectors with protection against mismatching
- consistent IP40 protection
- with A coding for a large number of uses
- exact dimensions
- 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	16 A	-	-		



Connection data			
Total number of potentials	4	Connection 1	
PE function	Preceding PE contact	Strip length	9 mm / 0.35 inches
Conductor preparation	ultrasonically tip-bonded	Pole number	4
		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		23.2 mm / 0.913 inches	
Height		16 mm / 0.63 inches	
Total length		4 m	

Mechanical data			
Use		General mains applications	
Coding		A	
Variable coding		No	
Marking		N ⊕ 2/L 1/L'	
Potential marking		N ⊕ 2/L 1/L'	
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 4G1.5	
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		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		119.955 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	529.4 g
Copper weight of the pipe	0.058 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	4055143403948
Customs tariff number	85444290900

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-7971
KEMA/KEUR DEKRA Certification B.V.	EN 61535	71-123232



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance
891-8994/106-401

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Documentation

Bid Text

891-8994/106-401	19.02.2019	xml 2.98 KB	↓
891-8994/106-401	01.12.2014	doc 24.50 KB	↓

CAD/CAE-Data

CAE data

EPLAN Data Portal
891-8994/106-401

↓

WSCAD Universe
891-8994/106-401

↓

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.: 897-2003](#)
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