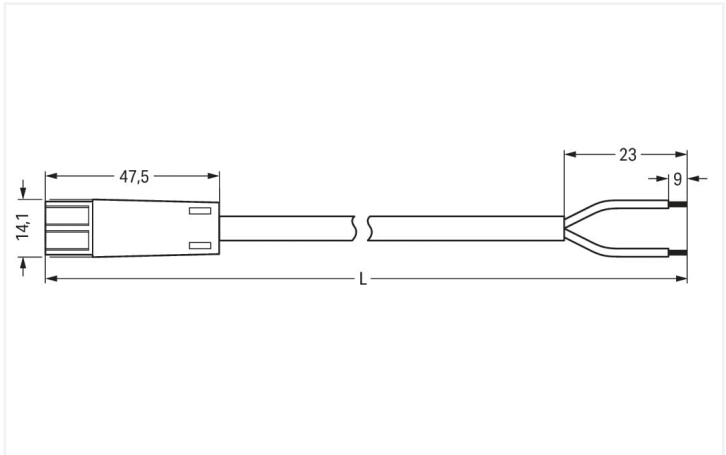




Color: ■ green



Dimensions in mm

Cable assembly WINSTA® KNX E coding

For power and signal transmission: The WINSTA® KNX cable assembly with protection against mismating. Our pluggable installation connectors with spring pressure connection technology function entirely without screw connections. They allow resource-efficient, error-free installation in numerous possible uses. The coding options reduce installation errors, allowing fast, maintenance-free wiring of all components. The pluggable installation connector offers touch-proof protection with live components in accordance with protection type IP20 (Only when mated and secured with a strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)). The standardised KNX interface represents a manufacturer-independent communication protocol for intelligently networking state-of-the-art home and building system technologies. A WINSTA® KNX pluggable installation connector with E coding, like all coded pluggable installation connectors, allows blind mating. Components with E coding are primarily used for supplying auxiliary power, for example to I/O devices. According to the European CPR, the fire class of the cables used for construction is decisive for building safety, too. For houses with average safety requirements, cable assemblies with fire class E are suitable.

Fast, secure pluggable connections – cable assemblies from WAGO

A plug and a free end are provided. The WINSTA® Pluggable Connection System is perfectly tailored to the strict requirements of building installation. It makes electrical installation pluggable, and consequently more efficient, even more reliable, and error-free. Use of this pre-assembled system decreases assembly times and errors during installation at the construction site. Now you can also reduce installation costs without compromising safety and quality: with marking eliminates the need for servicing and prevents unnecessary downtime.

- saves time, since no wiring is required at the construction site
- for emergency power supply
- 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. 3 mΩ contact resistance	
Pollution degree		3	2	2		
Nominal voltage		50 V	-	-		
Rated surge voltage		0.8 kV	-	-		
Rated current		3 A	-	-		



Connection data			
Total number of potentials	2	Connection 1	
Conductor preparation	stripped	Conductor diameter	0.8 mm
		Strip length	9 mm / 0.35 inches
		Pole number	2
		Sheathed cable diameter	5 ... 7 mm
		Strip length (outer insulation)	23 mm
		Connection type	Plug - free end

Physical data			
Width		14.1 mm / 0.555 inches	
Height		11.1 mm / 0.437 inches	
Total length		5 m	

Mechanical data			
Technology		KNX	
Coding		E	
Variable coding		No	
Marking		1+ 2-	
Potential marking		1+ 2-	
Mating force of a plug-in connection		Approx. 10 ... 15 N	
Retention force of a plug-in connection		when locked: > 80N	
Unmating force of a plug-in connection		Unlocked: approx. 15 ... 20 N	
Number of mating cycles		200	
Connection type		Plug - free end	
Type of pre-assembled cable		Connecting cable	
Cable type		UNITRONIC BUS EIB 2x2x0.8	
Protection type		IP20; Only when mated and secured with a strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)	

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	

Material data			
Note (material data)		Information on material specifications can be found here	
Color		green	
Insulation material		Polyamide (PA66)	
Fire class per EN 50575		E _{ca}	
Contact material		Copper alloy; surface-treated	
Contact plating		Tin	
Fire load		4.518 MJ	
Connector color		green	
Strain relief color		black	
Sheathed cable color		green	
Printing color of sheathed cable		black	
Halogen-free		No	
Silicon-free		Yes	



Material data	
Sheath material	PVC
Rubber cable	No
Weight	266 g
Copper weight of the pipe	0.021 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 8.0	EC002587
ETIM 7.0	EC002587
PU (SPU)	1 pcs
Packaging type	unpacked
Country of origin	PL
GTIN	4055143307017
Customs tariff number	85444290900

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 894-8992/233-506	

Documentation

Bid Text			
894-8992/233-506	08.01.2015	doc 25.00 KB	
894-8992/233-506	19.02.2019	xml 2.97 KB	



CAD/CAE-Data

CAE data

WSCAD Universe
894-8992/233-506

