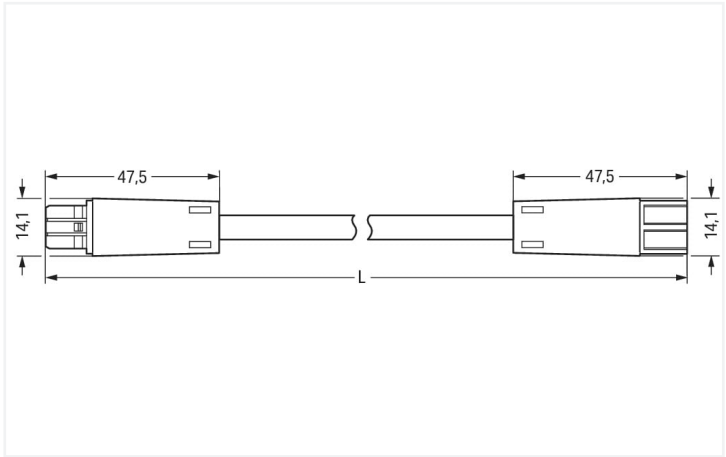




Color: ■ gray



Dimensions in mm

Cable assembly WINSTA® KNX F coding

The WINSTA® KNX cable assembly with protection type IP20 supports rapid, correct installation. WAGO pluggable installation connectors are used when criteria repeat or are planned on a specified grid, for example for installing grid lighting or flush-mount lighting. The coding options reduce installation errors, allowing fast, secure wiring of all components. The pluggable installation connector is protected against ingress by solid objects 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 KNX protocol allows different equipment within one building system to communicate. The grey WINSTA® KNX pluggable installation connectors in F coding support solutions in the low-voltage range. According to the European CPR, the fire class of the cables used in construction is essential for the safety of buildings as well. For houses with safety requirements, cable assemblies with fire class D are suitable. In the production of this cable assembly, halogens were deliberately omitted. This is an important contribution to environmental protection.

Fast, error-free assembly thanks to cable assemblies from WAGO

The cable is pre-assembled with a socket and a plug. WINSTA® is the pluggable connection system that is ideally tailored to the strict requirements of electrical installation. It offers error-free installation of cables and components, quickly and reliably. Now you can also lower installation expenses without compromising quality and safety: with protection type IP20 reduces the need for servicing and prevents unnecessary downtime.

- products perfectly tailored to your requirements guarantee safe use
- with F coding for the use in supplying power
- ready to install and use immediately
- 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	Approx. 3 mΩ contact resistance
Overvoltage category		III	III	II		
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 diameter	0.8 mm
		Pole number	2
		Sheathed cable diameter	5 ... 7 mm
		Connection type	Socket - Plug

Physical data

Width	14.1 mm / 0.555 inches
Height	11.1 mm / 0.437 inches
Total length	3 m

Mechanical data

Technology	KNX
Coding	F
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	Socket - Plug
Type of pre-assembled cable	Interconnecting cable
Cable type	J-Y(ST)Y...LG 1x2x0.8
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 <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

Material data

Note (material data)	Information on material specifications can be found here
Color	gray
Insulation material	Polyamide (PA66)
Fire class per EN 50575	D _{ca}
Contact material	Copper alloy; surface-treated
Contact plating	Tin
Fire load	3.462 MJ
Connector color	light gray
Strain relief color	black
Sheathed cable color	gray
Printing color of sheathed cable	black
Halogen-free	Yes
Silicon-free	Yes
Sheath material	Halogen-free
Rubber cable	No



Material data

Weight	115 g
Copper weight of the pipe	0.01 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	4050821468226
Customs tariff number	85444290900

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Environmental Product Compliance

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Documentation

Bid Text			
894-8992/023-307	19.02.2019	xml 3.00 KB	
894-8992/023-307	16.03.2015	doc 25.00 KB	