

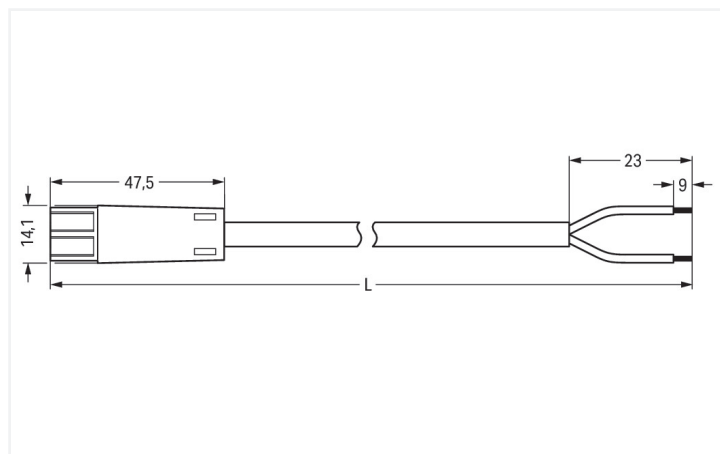
## Data Sheet | Item Number: 894-8992/223-107

pre-assembled connecting cable; Dca; Plug/open-ended; 2-pole; Cod. F; Y-H(St)Hh  
1x2x0,8; 1 m; gray

<https://www.wago.com/894-8992/223-107>



Color: ■ gray



Dimensions in mm

### Cable assembly WINSTA® KNX 2-pole

The WINSTA® KNX cable assembly rated current 3 A provides the foundation for assembly of solid and fine-stranded conductors. The pluggable installation connectors with spring pressure connection technology work completely without screw connections. They allow fast, 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 is protected 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.)). This means that users' fingers will never come into contact with electrified elements. The KNX standard is the ultimate benchmark in building automation. It guarantees error-free, manufacturer-independent networking of state-of-the-art building systems. 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, too. For houses with safety requirements, cable assemblies with fire class D are suitable. The cable assembly is halogen-free. This eliminates the addition of environmental pollutants during production. It also achieves a higher fire class, since halogen-free materials do not easily ignite.

### Pluggable connections instead of screw connections – cable assemblies from WAGO

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

- products perfectly tailored to your requirements guarantee safe use
- with F coding for connections with protection against mismatching for supplying power
- ready for immediate use
- quick replacement of defective units during ongoing operation

### Notes

Note Cables with a different fire class can be found in the eShop.

## Electrical data

Ratings per	IEC/EN 60664-1			General information	
Overvoltage category	III	III	II	Note on contact resistance	Approx. 3 mΩ contact resistance
Pollution degree	3	2	2		
Nominal voltage	50 V	-	-		
Rated impulse withstand voltage	0.8 kV	-	-		
Rated current	3 A	-	-		

## Connection Data

Total number of potentials	2	<b>Connection 1</b>	
Conductor preparation	stripped	Conductor diameter	0.8 mm
		Strip length	9 mm / 0.35 inches
		Pole number	2
		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	1 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	Plug - free end
Type of pre-assembled cable	Connecting 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 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)	<a href="#">Information on material specifications can be found here</a>
Color	gray
Insulation material (main housing)	Polyamide (PA66)
Fire class per EN 50575	D <sub>ca</sub>
Contact material	Copper alloy; surface-treated
Contact Plating	Tin
Fire load	1.217 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
Weight	40.3 g
Copper weight of the raw cable	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

PU (SPU)	1 pcs
Packaging type	unpacked
Country of origin	PL
GTIN	4055143803052
Customs tariff number	85444290900

### Product Classification

UNSPSC	26121629
eCl@ss 10.0	27-44-06-04
eCl@ss 9.0	27-44-06-04
ETIM 9.0	EC002587
ETIM 10.0	EC002587
ECCN	NO US CLASSIFICATION

### Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
------------------------	-------------------------

Downloads

Environmental Product Compliance


Compliance Search

Environmental Product  
Compliance  
894-8992/223-107



Documentation

Bid Text

894-8992/223-107	19.02.2019	xml 3.00 KB	
894-8992/223-107	16.03.2015	doc 25.50 KB	