Data sheet | Item number: 894-8992/223-106
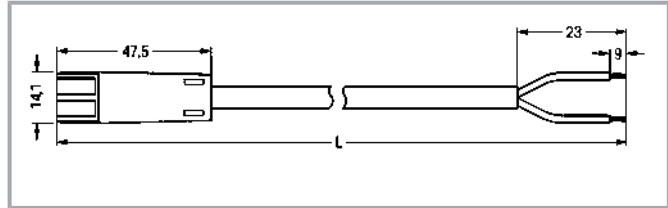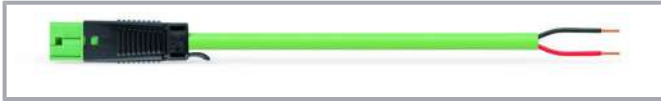
pre-assembled connecting cable; Eca; Plug/open-ended; 2-pole; Cod. E; J-Y (ST)Y…LG 2x2x0.8; 1 m; green

www.wago.com/894-8992_223-106

Item description

Cable assembly *WINSTA*® KNX 2-pole

The *WINSTA*® KNX cable assembly with protection against mismating is the pluggable solution for your use in control cabinets, on PCBs or for lighting connections. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to establish connections according to an enormous variety of requirements in seconds. For greater protection in electrical installations, the pluggable installation connector is provided with mechanical protection against mismating. 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 contact elements. The harmonised 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 in construction is decisive for building safety, too. For buildings with medium-level safety requirements, cable assemblies with fire class E are suitable. Not using halogen additives in the production of this cable assembly noticeably improves fire safety and reduces environmental pollution.

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

The cable is pre-assembled with a plug and a free end. The WINSTA® Pluggable Connection System is ideally tailored to the strict requirements of building installation. It makes electrical installation pluggable, and thus faster, more reliable, and error-free. Using this pre-assembled system reduces assembly times and errors during installation at the construction site. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with *WINSTA*® KNX pluggable installation connectors with marking from WAGO.

- saves time, since no wiring is required at the construction site
- with E coding for supplying auxiliary power to I/O devices
- custom-engineered solutions

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

■ fast, secure installation

Data
Notes

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

Electrical data

Note on contact resistance	Approx. 3 mΩ contact resistance

IEC Approvals

Ratings per	IEC/EN 60664-1
Rated voltage (III / 3)	50 V
Rated impulse voltage (III/3)	0.8 kV
Rated current	3 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

Connection data

Total number of potentials	2
Conductor preparation	ultrasonically tip-bonded

Connection 1

Conductor diameter	0.8 mm
Strip length	9 mm / 0.35 inch
Number of poles	2
Strip length (outer insulation)	23 mm
Connection type	Plug - Free end

Physical data

Total length	1 m

Mechanical data

technology	KNX
Application	KNX

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

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
Locking of plug-in connection	locking lever

Material data

Note (material data)	Information on material data can be found here
Color	green
Insulation material	Polyamide (PA66)
Fire class per EN 50575	E_{ca}
Contact material	Copper alloy; surface-treated
Fire load	1.038 MJ
Connector color	green
Strain relief color	black
Sheathed cable color	green
Printing color of sheathed cable	black
Halogen-free	Yes
Sheath material	Halogen-free

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

Weight	52 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	PVC cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

Commercial data

PU (SPU)	1 Stück
Packaging type	unpacked
Country of origin VKOrg Germany	PL
GTIN	4055143307024
Customs tariff number VKOrg Germany	85444290900

Other

technology	KNX

Installation Notes

Product family

WINSTA® KNX
Show all products from the family

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