Product data sheet

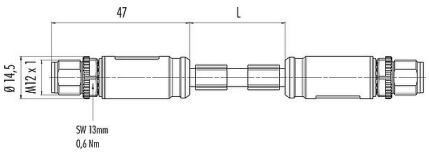
Automation technology - Data transmission

Product description	**M12 Connecting cable 2 male cable connectors, Contacts: 8, shielded, moulded on the cable, IP67, UL, PUR, green, AWG 26/7, 2 m**
Area	**M12-X**
Coding	**X-coded**
Series	**876**
Part no.	**79 9722 020 08**

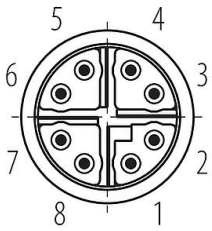
Illustration (may vary)



Scale drawing



Contact arrangement (Plug-in side)



1 *white-orange*
2 *orange*
3 *white-green*
4 *green*
5 *white-brown*
6 *brown*
7 *white-blue*
8 *blue*

shield on housing

Cable length tolerance

cable length	*tolerance*
≥ 0,10 m	+ 0,03 m
≥ 0,20 m	+ 0,04 m
≥ 0,50 m	+ 0,07 m
≥ 1,00 m	+ 0,10 m
≥ 2,00 m	+ 0,15 m
≥ 5,00 m	+ 0,20 m
≥ 10,0 m	+ 0,25 m
≥ 20,0 m	+ 0,35 m

Technical data

General features

Part no.	79 9722 020 08
Connector design	Connecting cable 2 male cable connectors
Type standard	DIN EN 61076-2-109
Coding	X-coded
Cable length	2 m (Other lengths are available on request.)
Version	Double ended cordsets
Connector locking system	screw

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Termination	moulded on the cable
Degree of protection	IP67
Connection cross-section	0.14 mm² / AWG 26/7
Temperature range from/to	-40 °C / 85 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	123.00
Customs tariff number	85444290

Electrical parameters

Rated voltage	50 V (AC) / 60 V (DC)
Rated current	0.5 A
Insulation resistance	> 10^{8} Ω
Pollution degree	3
Transmission rate	CAT 6A
Overvoltage category	II
Insulating material group	II
EMC compliance	shielded
Shield connection	Shield on the threaded ring

Material

Housing material	PUR
Contact body material	PA
Contact material	CuZn (brass)
Contact plating	Au (gold)
Locking material	Zinc die-cast nickel-plated
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	1496c74e-f991-47cd-9abf-617c48bd2586

Cable data - Structure of the cable

Cable diameter	6.2 mm
Cross section	AWG 26/7
Sheath material	PUR
Single-lead insulation	PE
Single-lead structure	8 x 0.14 mm
Cable color	green

Cable data - Mechanical properties

Bending radius, fixed cable	≥ 8 x Ø

Cable data - Thermal properties

Temperature range cable in move from/to	-10 °C / 60 °C
Temperature range cable fixed from/to	-40 °C / 85 °C

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Cable data - Other features

Halogen free	yes

Authorization/approvals

Approvals	UL

Classifications

eCl@ss 11.1	27-06-03-11
ETIM 9.0	EC002638

Declarations of conformity

RoHS Directive	EN IEC 63000:2018

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Security notices

The connector must not be plugged or unplugged under load. Non-observance and improper use can result in personal injury.

The connectors have been developed for applications in plant engineering, control and electrical equipment construction. The user is responsible for checking whether the connectors can also be used in other areas of application.

Connectors which are used in circuits with voltages dangerous to the touch may only be installed and used by, or under the supervision of, persons with electrical engineering training, taking into account the applicable regulations and standards.

The user must take suitable safety precautions to ensure that the connector cannot be accidentally disconnected.

Plug connectors with enclosure protection IP67 and IP68 are not suitable for use under water. When used outdoors, the plug connectors must be protected separately against corrosion. For further information on the IP protection classes, please refer to the "Technical Information" download centre.

Please observe the pollution degree and the overvoltage category. For further information, please refer to the download center "Technical Information".