

Product data sheet

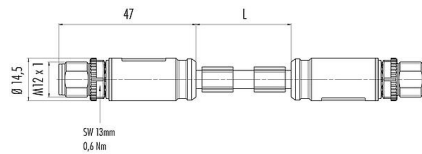
Automation technology - data transmission

Product description	M12-X Connecting cable, Contacts: 8, shielded, moulded on the cable, IP67, UL, PUR, AWG 26/7, 5 m
Area	M12-X series 876
Part no.	79 9722 050 08

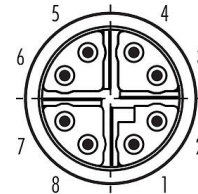
Illustration



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

Technical data

General features

Part no.	79 9722 050 08
Connector design	Connecting cable
Cable length	5 m
Version	Connecting cable
Connector locking system	screw
Termination	moulded on the cable
Degree of protection	IP67
Cross-sectional area	AWG 26/7
Temperature range from/to	-40 °C / 85 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	226.78
Customs tariff number	85444290

Electrical parameters

Rated voltage	50 V (AC) / 60 V (DC)
Rated current (40 °C)	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
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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	eaf00f20-fd8f-44dc-93d7-660a3271e364

Authorization/approvals

Approvals	UL
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Classifications

eCl@ss 11.1	27-06-03-11
ETIM 7.0	EC001855

Declarations of conformity

RoHS Directive	2011/65/EU (EN 50581:2012)
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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 data - Mechanical properties

Bending radius, fixed cable	$\geq 8 \times \varnothing$
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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

Cable data - Other features

Halogen free	yes
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Security notices

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.

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.

To lock the cable connector with the device connector, the threaded ring is tightened "hand-tight" (approx. 60 cNm).