

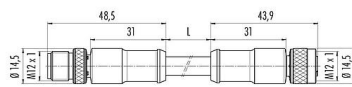
Product description **M12/M12 Connecting cable male cable connector - female cable connector, Contacts: 8, shielded, moulded on the cable, IP67, Ethernet CAT5e, TPE, blue/green, 4 x 2 x AWG 24, 10 m**

Area **M12-A**
Part no. **77 3530 3529 34708-1000**

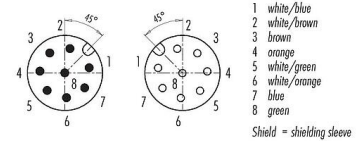
Illustration



Scale drawing



Contact arrangement (Plug-in side)



Technical data

General features

Part no.	77 3530 3529 34708-1000
Connector design	Connecting cable male cable connector - female cable connector
Type standard	DIN EN 61076-2-101
Cable length	10 m (Other lengths are available on request).
Version	Connecting cable
Connector locking system	screw
Termination	moulded on the cable
Degree of protection	IP67
Cross-sectional area	0.25 mm ² / AWG 24
Temperature range from/to	-25 °C / 90 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	480

Electrical parameters

Rated voltage	30 V
Rated impulse voltage	800 V
Rated current	2.0 A
Pollution degree	3
Overvoltage category	II
Insulating material group	II
EMC compliance	shielded

Material

Contact body material	PUR
Contact material	CuZn (brass)
Contact plating	Au (gold)
SCIP number	SCIP-number not available

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Classifications

ETIM 9.0	EC002638
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Cable data - Structure of the cable

Cable type	Ethernet CAT5e
Cable diameter	7.6 mm
Cross section	4 x 2 x AWG 24
Sheath material	TPE
Single-lead insulation	HDPE
Single-lead structure	7 x 32 mm
Cable color	blue/green

Cable data - Mechanical properties

Bending radius, fixed cable	$\geq 5 \times \varnothing$
Bending radius, moving cable	$\geq 10 \times \varnothing$
Bending cycles	> 10 million
Permitted acceleration	max. 2 m/s ²
Travel speed	≤ 200 m/min (5 m horizontal distance)

Cable data - Thermal properties

Temperature range cable in move from/to	-40 °C / 80 °C
Temperature range cable fixed from/to	-40 °C / 80 °C

Cable data - Other features

Halogen free	no
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General Disclaim Notice

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.

To protect against unintentional opening of the connector, the thread between the housing and the connector head must be secured with a suitable cyanoacrylate adhesive when used in circuits with voltages dangerous to the touch. This does not apply to connectors used in SELV and PELV circuits according to IEC 61140 (EN 61140, VDE 0140-1).

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.

The plug connector is not suitable for mains voltages. Please observe the pollution degree and the overvoltage category. For further information, please refer to the download center "Technical Information".

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

The protection class specification applies on condition that the four mounting holes are made as blind holes.