Automation technology - sensors and actuators



M12-A connecting cable for food and beverage industry, Contacts: 8, unshielded, moulded cable, IP69K, Ecolab, FDA compliant, Special TPE grey, $8 \times 0.25 \text{ mm}^2$, stainless steel, 10 m Product description

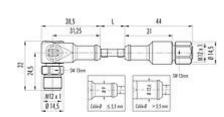
M12-A series 763 Area 77 3730 3727 40908-1000 Part no.

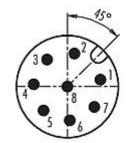
Illustration

Scale drawing

Contact arrangement (Plug-in side)







white brown green yellow grey pink blue red

Technical data

General features

Part no.	77 3730 3727 40908-1000
Connector design	connecting cable for food and beverage industry
Cable length	10 m
Version	connecting cable
Connector locking system	screw
Termination	moulded cable
Degree of protection	IP69K IP67
Cross-sectional area	0.25 mm ² / AWG 24
Temperature range from/to	-40 °C / 105 °C
Mechanical operation	> 100 Mating cycles
Additional information	stainless steel
Weight (g)	107.00
Customs tariff number	85444290

Electrical parameters

Rated voltage	30 V
Rated impulse voltage	800 V
Rated current (40 °C)	2,0 A
Insulation resistance	$\geq 10^{10} \Omega$
Pollution degree	3
Overvoltage category	II
Insulating material group	II





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unshielded **EMC** compliance

Material

Housing material	PP
Contact body material	PP
Contact material	CuZn (brass) / CuSn (bronze)
Contact plating	Au (gold)
Locking material	stainless steel
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	17b31269-6d9e-429f-b60d-27207e881691

Authorization/approvals

Approvals	Ecolab, FDA compliant
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Classifications

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

Declarations of conformity

Cable data - Structure of the cable

Cable diameter	6.0 mm
Cross section	8 x 0.25 mm ²
Sheath material	Special TPE
Single-lead insulation	modified TPE
Single-lead structure	32 x 0.10 mm
Cable color	grey

Cable data - Mechanical properties

Bending radius, fixed cable	≥ 5 x Ø
Bending radius, moving cable	≥ 10 x Ø
Bending cycles	2 million
Permitted acceleration	5 m/s ²
Travel distance, horizontal	5 m
Travel speed	≤ 200 m/min (5 m horizontal distance)

Date: 09.03.2022





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Cable data - Thermal properties

Temperature range cable in move from/to	-25 °C / 105 °C
Temperature range cable fixed from/to	-50 °C / 105 °C

Cable data - Other features

Halogen free	Yes
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Date: 09.03.2022

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Product description M12-A connecting cable for food and beverage industry, Contacts: 8, unshielded, moulded cable, IP69K, Ecolab, FDA

compliant, Special TPE grey, 8 x 0.25 mm², stainless steel, 10 m

Area M12-A series 763
Part no. 77 3730 3727 40908-1000

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.

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

Plug connectors with enclosure protection IP 67 and IP 68 are not suitable for use under water. 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).