

Product data sheet

Automation technology - sensors and actuators



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**

EMC compliance unshielded

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

RoHS Directive	2011/65/EU (EN 50581:2012)
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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)

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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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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).