



Product description	<b>M12/M12 Connecting cable male cable connector - female cable connector, Contacts: 5, unshielded, moulded on the cable, IP69K, UL, Ecolab, PVC, grey, 5 x 0.34 mm<sup>2</sup>, Lebensmittelindustrie, stainless steel, 5 m</b>
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Area	<b>M12-A series 763</b>
Part no.	<b>77 3730 3729 20405-0500</b>

## Material

Housing material	PP
Contact body material	PP
Contact material	CuZn (brass) / CuSn (bronze)
Contact plating	Au (gold)
Locking material	Stainless steel
REACH SVHC	None (No pollutants)
SCIP number	SCIP-number not available

## Authorization/approvals

Approvals	UL, Ecolab
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## Classifications

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

## Declarations of conformity

Low Voltage Directive	2014/35/EU (EN 60529:1991;EN 60204-1:2018)
RoHS Directive	2011/65/EU (EN 50581:2012)

## Cable data - Structure of the cable

Cable diameter	5.2 mm
Cross section	5 x 0.34 mm <sup>2</sup>
Sheath material	PVC
Single-lead insulation	PVC
Single-lead structure	42 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 <sup>2</sup> + 1 m/s <sup>2</sup>
Travel distance, horizontal	5 m/s <sup>2</sup> -> 5 m
Travel distance, vertical	5 m/s <sup>2</sup> -> 2 m
Travel speed	≤ 200 m/min (5 m horizontal distance)

## Cable data - Thermal properties

Temperature range cable in move from/to	-5 °C / 105 °C
Temperature range cable fixed from/to	-40 °C / 105 °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.

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. 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).