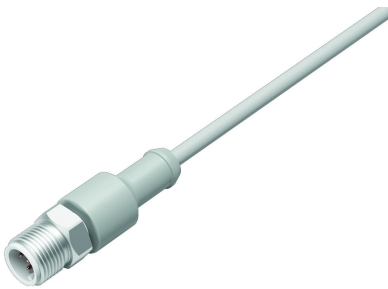


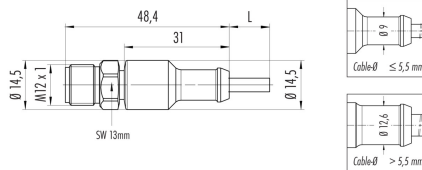
Product description **M12-A male cable connector, Contacts: 8, unshielded, moulded cable, IP69K, UL listed, Ecolab, PVC grey, 8 x 0.25 mm², stainless steel, 5 m**

Area **M12-A series 763**
Part no. **77 3729 0000 20908-0500**

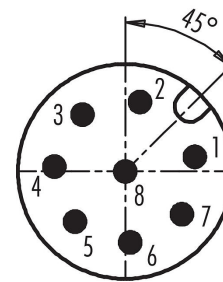
Illustration



Scale drawing



Contact arrangement (Plug-in side)



- 1 white
- 2 brown
- 3 green
- 4 yellow
- 5 grey
- 6 pink
- 7 blue
- 8 red

Technical data

General features

Part no.	77 3729 0000 20908-0500
Connector design	male cable connector
Cable length	5 m
Version	connector male straight
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
Weight (g)	124
Customs tariff number	85444290

Electrical parameters

Rated voltage	60 V
Rated voltage UL	30
Rated impulse voltage	800 V
Rated current (40 °C)	2 A
Insulation resistance	≥ 10 ¹⁰ Ω
Pollution degree	3
Overvoltage category	II
Insulating material group	II

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EMC compliance	unshielded
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Material

Housing material	PP
Contact body material	PUR
Contact material	CuZn (brass)
Contact plating	Au (gold)
Locking material	stainless steel
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	e88be774-6d99-4efc-a826-e78ba881468b

Authorization/approvals

Approvals	UL listed, Ecolab
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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	PVC
Single-lead insulation	PVC
Single-lead structure	32 x 0.10 mm mm
Cable color	grey

Cable data - Electrical properties

Conductor resistance	79 Ω/Km (20°C)
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Cable data - Mechanical properties

Bending radius, fixed cable	≥ 5 x Ø
Bending radius, moving cable	≥ 10 x Ø
Bending cycles	>2 million
Permitted acceleration	max. 5 m/s ² + 1 m/s ²
Travel distance, horizontal	5 m/s ² -> 5 m

Product data sheet

Automation technology - sensors and actuators



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Travel distance, vertical **5 m/s² -> 2 m**
Travel speed **at 5m horizontal path. -> 200 m / min**

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**



Product description	M12-A male cable connector, Contacts: 8, unshielded, moulded cable, IP69K, UL listed, Ecolab, PVC grey, 8 x 0.25 mm², stainless steel, 5 m
Area	M12-A series 763
Part no.	77 3729 0000 20908-0500

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. 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).