

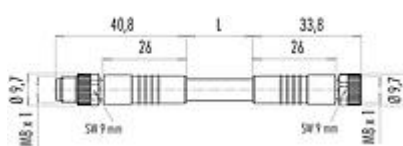
Product description **M8 connection cable male cable connector - female cable connector, Contacts: 6, unshielded, moulded cable, IP67/IP69K, UL, PUR black, 6 x 0.25 mm², 0,3 m**

Area **M8 series 718**
Part no. **77 3406 3405 50006-0030**

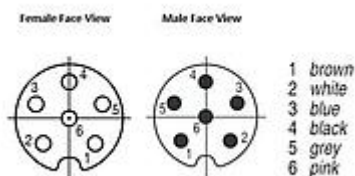
Illustration



Scale drawing



Contact arrangement (Plug-in side)



Technical data

General features

Part no.	77 3406 3405 50006-0030
Connector design	connection cable male cable connector - female cable connector
Cable length	0,3 m
Version	connecting cable
Connector locking system	screw
Termination	moulded cable
Degree of protection	IP67/IP69K
Cross-sectional area	0.25 mm ² / AWG 24
Temperature range from/to	-25 °C / 85 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	379.00
Customs tariff number	85444290

Electrical parameters

Rated voltage	30 V
Rated impulse voltage	800 V
Rated current (40 °C)	1,5 A
Insulation resistance	> 10 ⁸ Ω
Pollution degree	3
Overvoltage category	II
Insulating material group	II
EMC compliance	unshielded

Product data sheet

Automation technology - sensors and actuators



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Material

Housing material	PUR
Contact body material	PUR
Contact material	CuZn (brass) / CuSn (bronze)
Contact plating	Au (gold)
Locking material	CuZn (brass)
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	cb154d67-b134-4a80-8794-1eb4156132eb

Authorization/approvals

Approvals	UL
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Classifications

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

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	5.0 mm
Cross section	6 x 0.25 mm ²
Sheath material	PUR
Single-lead insulation	PP9Y halogen-free
Single-lead structure	32 x 0.10 mm
Cable color	black

Cable data - Electrical properties

Operating voltage	≤300 V
Cable test voltage	≥2500 V effective
Conductor resistance	79 Ω/Km (20°C)

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 + 1 m/s ²

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

Cable data - Thermal properties

Temperature range cable in move from/to	-25 °C / 90 °C
Temperature range cable fixed from/to	-50 °C / 90 °C

Cable data - Other features

Halogen free	Yes
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General Disclaim Notice

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.

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. 50 cNm).