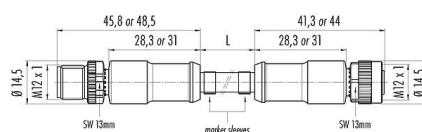


Product description	M12-A Connecting cable male cable connector - female cable connector, Contacts: 8, unshielded, moulded on the cable, IP69K, UL, PUR, black, 8 x 0.25 mm², 1 m
Area	M12-A series 763
Part no.	77 3430 3429 50708-0100

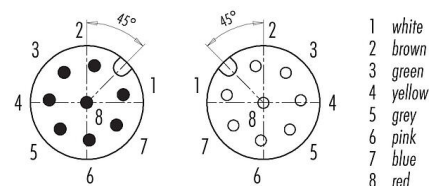
Illustration



Scale drawing



Contact arrangement (Plug-in side)



Technical data

General features

Part no.	77 3430 3429 50708-0100
Connector design	Connecting cable male cable connector - female cable connector
Type standard	DIN EN 61076-2-101
Cable length	1 m
Version	Connecting cable
Connector locking system	screw
Termination	moulded on the cable
Degree of protection	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)	105
Customs tariff number	85444290

Electrical parameters

Rated voltage	30 V
Rated impulse voltage	800 V
Rated current (40 °C)	2.0 A
Pollution degree	3
Overvoltage category	II
Insulating material group	II
EMC compliance	unshielded

Material

Housing material	PUR
Contact body material	PUR
Contact material	CuZn (brass) / CuSn (bronze)
Contact plating	Au (gold)

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Locking material	Zinc die-cast nickel-plated
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	39198409-d70b-47d1-8d3d-4a46f002697d

Authorization/approvals

Approvals	UL
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Classifications

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

Cable data - Structure of the cable

Cable diameter	6.0 mm
Cross section	8 x 0.25 mm ²
Sheath material	PUR
Single-lead insulation	PP9Y halogen-free
Single-lead structure	32 x 0.11 mm
Cable color	black

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	5 m/s ²
Travel distance, horizontal	at 5 m/s ² -> 5 m
Travel distance, vertical	at 5 m/s ² -> 2 m
Travel speed	≤ 200 m/min

Cable data - Thermal properties

Temperature range cable in move from/to	-25 °C / 80 °C
Temperature range cable fixed from/to	-50 °C / 80 °C

Cable data - Other features

Halogen free	yes
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-	-
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Part no.	77 3430 3429 50708-0100

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).