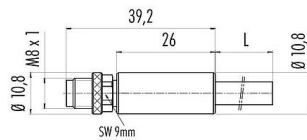


Product description **M8 Male cable connector, Contacts: 6, shielded, moulded on the cable, IP67, PVC, grey, 6 x 0.25 mm², 5 m**
 Area **M8**
 Part no. **77 3505 0000 20706-0500**

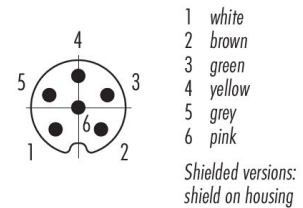
Illustration



Scale drawing



Contact arrangement (Plug-in side)



Technical data

General features

Part no.	77 3505 0000 20706-0500
Connector design	Male cable connector
Type standard	DIN EN 61076-2-104
Cable length	5 m (Standard 2 m and 5 m. Other lengths are available on request.)
Version	Connector pin straight
Connector locking system	screw
Termination	moulded on the cable
Degree of protection	IP67
Cross-sectional area	0.25 mm ² / AWG 24
Temperature range from/to	-25 °C / 85 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	128.00
Customs tariff number	85444290
Country of Origin	DE

Electrical parameters

Rated voltage	30 V
Rated impulse voltage	800 V
Rated current	1.5 A
Insulation resistance	> 10 ⁸ Ω
Pollution degree	3
Overvoltage category	III
Insulating material group	II
EMC compliance	shielded
Shield connection	Screen on shield sleeve
Voltage	650 V DC

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Material

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	75ecc7c7-5e43-4d41-9423-9e16689ea7ab

Classifications

ETIM 9.0	EC002638
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Cable data - Structure of the cable

Cable diameter	6.1 mm
Cross section	6 x 0.25 mm ²
Sheath material	PVC
Single-lead insulation	PVC
Single-lead structure	32 x 0.10 mm
Cable color	grey

Cable data - Electrical properties

Operating voltage	≤ 300 V
Conductor resistance	78 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
Travel distance, horizontal	5 m
Travel distance, vertical	2 m
Travel speed	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
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Security notices

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 IP67 and IP68 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.