

Product description	M8 female cable connector, Contacts: 3, shielded, moulded cable, IP67, UL listed, PUR black, 3 x 0.34 mm ² , 5 m
Area	M8 series 718
Part no.	79 3506 55 03

Technical data

General features

Part no.	79 3506 55 03
	Alternative part no.: 77 3506 0000 50003-0500
Connector design	female cable connector
Cable length	5 m
Connector locking system	screw
Termination	moulded cable
Degree of protection	IP67
Cross-sectional area	0.34 mm ² / AWG 22
Temperature range from/to	-25 °C / 85 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	169.00
Customs tariff number	85444290

Electrical parameters

Rated voltage	60 V
Rated impulse voltage	1500 V
Rated current (40 °C)	4 A
Pollution degree	3
Overvoltage category	III
Insulating material group	II
EMC compliance	shielded

Material

Contact body material	PUR
Contact material	CuZn (brass)
Contact plating	Au (gold)
Locking material	CuZn (Brass nickel plated)
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	c471ce72-d4fd-42a8-9825-9ae280a3a0fe

Authorization/approvals

Approvals	UL listed
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Cable data - Structure of the cable

Cable diameter	4.6 mm
Cross section	3 x 0.34 mm ²

Product data sheet

Automation technology - sensors and actuators



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Sheath material	PUR
Single-lead insulation	PP9Y halogen-free
Single-lead structure	42 x 0.10 mm
Cable color	black

Cable data - Mechanical properties

Bending radius, fixed cable	$\geq 5 \times \varnothing$
Bending radius, moving cable	$\geq 10 \times \varnothing$
Bending cycles	>2 million
Permitted acceleration	$5 \text{ m/s}^2 + 1 \text{ m/s}^2$
Travel speed	$\leq 200 \text{ m/min}$ (5 m horizontal distance)

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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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 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).