

Product description	M12-A female cable connector, Contacts: 3, not shielded, moulded on cable, IP68, UL listed, Standard cable, PUR 120°C black, 3 x 0.34 mm²
Area	M12-A series 763
Order number	77 3430 0000 70003-0500

Illustration	Scale drawing	Contact arrangement
		<p>1 braun/brown 3 blau/blue 4 schwarz/black</p>

Technical data

General values

Connector design	female cable connector
Connector locking system	screw
Termination	moulded on cable
Wire gauge (mm)	0.34 mm ²
Wire gauge (AWG)	22
Upper limit temperature	120 °C
Lower limit temperature	- 25 °C
Customs tariff number	85444290
Packaging Unit	1

Electrical values

Rated current (40 °C)	4 A
Rated voltage	250 V
Rated impulse voltage	2500 V
Pollution degree	3
Overvoltage category	II
Insulating material group	II
Insulation resistance	≥ 10 ¹⁰ Ω
EMC compliance	not shielded
Degree of protection	IP68
Mechanical operation	> 100 Mating cycles

Cable data

Cable length	5 m
Sheath material	PUR 120°C
Single-lead insulation	PETE
Single-lead structure	7x0,25 mm
Cable diameter	4.9 mm
Conductor resistance	60 Ω/Km (20°C)
Temperature range, moving cable, °C from	- 25 °C
Temperature range, moving cable, °C to	90 °C
Temperature range, fixed cable, °C from	-50 °C
Temperature range, fixed cable, °C to	90 °C
Bending radius, fixed cable	≥ 5 x Ø
Bending radius, moving cable	≥ 10 x Ø
Approval 1	UL listed

Material

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

Product description	M12-A female cable connector, Contacts: 3, not shielded, moulded on cable, IP68, UL listed, Standard cable, PUR 120°C black, 3 x 0.34 mm²
Area	M12-A series 763
Order number	77 3430 0000 70003-0500

Security notices

The connector must not be connected or separated under load. Non-observance and incorrect use can result in personal injury.

The connectors are designed for use in plant, control system and electrical equipment. The end user is responsible for checking whether the connectors are suitable for use in other applications.

Connectors with degree of protection IP 67 and IP 68 are not suitable for use under water. When used outdoors, the connectors must be separately protected against corrosion. For further information about IP degrees of protection refer to 'Technical support' in the Download Centre.

To lock the cable connector to the equipment connector, the threaded ring is tightened until it is 'finger-tight' (approx. 50 cNm).