

Product data sheet

Automation technology - sensors and actuators



Product description	M12-A female cable connector, Contacts: 8, shielded, moulded cable, IP67, UL, PUR black, 8 x 0.25 mm ² , 10 m
Area	M12-A series 763
Part no.	77 3530 0000 50708-1000

Shield connection

Shield on the threaded ring

Material

Housing material	PUR
Contact body material	PUR
Contact material	CuSn (bronze)
Contact plating	Au (gold)
Locking material	CuZn (brass)
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	e8234312-4c4d-494a-acc8-309aba7e96b3

Authorization/approvals

Approvals	UL
-----------	----

Declarations of conformity

RoHS Directive	2011/65/EU (EN 50581:2012)
----------------	----------------------------

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 0.10 mm
Cable color	black

Cable data - Electrical properties

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

Product description	M12-A female cable connector, Contacts: 8, shielded, moulded cable, IP67, UL, PUR black, 8 x 0.25 mm², 10 m
Area	M12-A series 763
Part no.	77 3530 0000 50708-1000

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
--------------	-----

Product description	M12-A female cable connector, Contacts: 8, shielded, moulded cable, IP67, UL, PUR black, 8 x 0.25 mm ² , 10 m
Area	M12-A series 763
Part no.	77 3530 0000 50708-1000

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 IP 67 and IP 68 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).