

Product data sheet

Automation technology - sensors and actuators



Product description	M12-A connection cable male cable connector - female cable connector, Contacts: 4, unshielded, moulded cable, IP69K, UL, PUR black, 4 x 0.34 mm ² , 2 m
Area	M12-A series 763
Part no.	77 3430 3429 50004-0200

Material

Housing material	PUR
Contact body material	PUR
Contact material	CuZn (brass) / CuSn (bronze)
Contact plating	Au (gold)
Locking material	Zinc die-cast nickel-plated
REACH SVHC	None (No pollutants)
SCIP number	SCIP-number not available

Authorization/approvals

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

Classifications

eCl@ss 11.1	27-06-03-11
ETIM 7.0	EC001855

Cable data - Structure of the cable

Cable diameter	4.7 mm
Cross section	4 x 0.34 mm ²
Sheath material	PUR
Single-lead insulation	PP9Y halogen-free
Single-lead structure	43 x 0.10 mm
Cable color	black

Cable data - Electrical properties

Conductor resistance	60 Ω/Km (20°C)
----------------------	----------------

Cable data - Mechanical properties

Bending radius, fixed cable	≥ 5 x Ø
Bending radius, moving cable	≥ 10 x Ø
Bending cycles	>5 million
Permitted acceleration	5 m/s ²
Travel distance, horizontal	</= 5 m
Travel distance, vertical	</= 5 m
Travel speed	≤ 200 m/min

Cable data - Thermal properties

Temperature range cable in move from/to	-25 °C / 90 °C (UL+80°C)
---	--------------------------

Product data sheet

Automation technology - sensors and actuators



Product description **M12-A connection cable male cable connector - female cable connector, Contacts: 4, unshielded, moulded cable, IP69K, UL, PUR black, 4 x 0.34 mm², 2 m**

Area **M12-A series 763**
Part no. **77 3430 3429 50004-0200**

Temperature range cable fixed from/to **-50 °C / 90 °C**

Cable data - Other features

Halogen free **Yes**

Product description	M12-A connection cable male cable connector - female cable connector, Contacts: 4, unshielded, moulded cable, IP69K, UL, PUR black, 4 x 0.34 mm², 2 m
Area	M12-A series 763
Part no.	77 3430 3429 50004-0200

Security notices

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).