



# Product data sheet

## Automation technology - sensors and actuators



Product description	Connecting Cables connection cable male cable connector - female cable connector, Contacts: 4, unshielded, moulded cable, IP67, UL, PVC grey, 4 x 0.34 mm <sup>2</sup> , 3 m
Area	Connecting Cables series 765
Part no.	77 3434 3405 20004-0300

### Material

Contact body material	PUR
Contact material	CuZn (brass)
Contact plating	Au (gold)
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	a2928193-46ef-4c1b-8c9f-bc1a7a064720

### Authorization/approvals

Approvals	UL
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### Cable data - Structure of the cable

Cable diameter	4.8 mm
Cross section	4 x 0.34 mm <sup>2</sup>
Sheath material	PVC
Single-lead insulation	PVC
Single-lead structure	42 x 0.10 mm
Cable color	grey

### 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	max. 5 m/s <sup>2</sup> + 1 m/s <sup>2</sup>
Travel speed	$\leq 200$ m/min (5 m horizontal distance)

### 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

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## 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.

Connectors which are used in circuits with voltages dangerous to the touch may only be installed and used by, or under the supervision of, persons with electrical engineering training, taking into account the applicable regulations and standards.

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. 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.

The plug connector is not suitable for mains voltages Please observe the pollution degree and the overvoltage category. For further information, please refer to the download center "Technical Information".

To lock the cable connector with the device connector, the threaded ring is tightened "hand-tight" (approx. 60 cNm).