

Product description	<b>Contacts: 4, Cable length: 2 m, female cable connector, PROFINET, UL approval</b>
Area	<b>M12-D, M12-X Series 876 D-coding</b>
Order number	<b>77 4530 0000 50704-0200</b>

Illustration	Scale drawing	Contact arrangement															
		<table border="1" style="margin: 10px;"> <thead> <tr> <th></th> <th>X</th> <th>Y</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>-2,50</td> <td>0,00</td> </tr> <tr> <td>2</td> <td>0,00</td> <td>2,50</td> </tr> <tr> <td>3</td> <td>2,50</td> <td>0,00</td> </tr> <tr> <td>4</td> <td>0,00</td> <td>-2,50</td> </tr> </tbody> </table> <ul style="list-style-type: none"> <li>1 gelb/yellow</li> <li>2 weiß/white</li> <li>3 orange/orange</li> <li>4 blau/blue</li> </ul>		X	Y	1	-2,50	0,00	2	0,00	2,50	3	2,50	0,00	4	0,00	-2,50
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## Technical data

### General values

Connector design	female cable connector
Connector locking system	bolted
Termination	moulded on cable
Wire gauge (mm)	0.34 mm <sup>2</sup>
Wire gauge (AWG)	22
Upper limit temperature	85 °C
Lower limit temperature	-40 °C
Customs tariff number	85444290

### Cable data

Cable length	2 m
Sheath material	PUR
Single-lead insulation	Polyolefin
Single-lead structure	AWG 22/7
Cable diameter	6.7
Conductor resistance	55Ω/Km
Temperature range, moving cable, °C from	-20
Temperature range, moving cable, °C to	60
Temperature range, fixed cable, °C from	-40
Temperature range, fixed cable, °C to	80
Bending radius, fixed cable	min. 5xd
Bending radius, moving cable	min. 15xd
Approval 1	UL listed
UL style 1	AWM20236

### 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	I
Volume resistivity	≤ 3 mΩ
Insulation resistance	>10 <sup>10</sup> Ω
EMC compliance	shielded
Degree of protection	IP67
Mechanical operation	> 100 Mating cycles

### Material

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

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## 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).