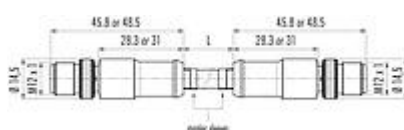


Product description	M12-D connection cable 2 male cable connectors, Contacts: 4, shielded, moulded cable, IP67, UL, Profinet, PUR green, 4 x AWG22, 5 m
Area	M12-D series 876
Part no.	77 4529 4529 50704-0500

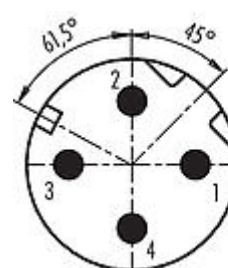
Illustration



Scale drawing



Contact arrangement (Plug-in side)



- 1 yellow
- 2 white
- 3 orange
- 4 blue

Technical data

General features

Part no.	77 4529 4529 50704-0500
Connector design	connection cable 2 male cable connectors
Cable length	5 m
Version	connecting cable
Connector locking system	screw
Termination	moulded cable
Degree of protection	IP67
Cross-sectional area	1x4x AWG 22
Temperature range from/to	-40 °C / 85 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	171.00
Customs tariff number	85444290

Electrical parameters

Rated voltage	25 V AC (60V DC)
Rated impulse voltage	2500 V
Rated current (40 °C)	4,0 A
Insulation resistance	> 10 <sup>10</sup> Ω
Pollution degree	3
Transmission rate	CAT 5
Overvoltage category	II
Insulating material group	I
EMC compliance	shielded
Shield connection	Shield on the threaded ring

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Voltage	1400 V DC
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### Material

Housing material	PUR
Contact body material	PUR
Contact material	CuZn (brass)
Contact plating	Au (gold)
Locking material	Zinc die-cast nickel-plated
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	446c48c7-8b1c-46fe-a238-eccc2763b695

### Authorization/approvals

Approvals	UL
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### Classifications

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

### Declarations of conformity

Low Voltage Directive	2014/35/EU (EN 60529:1991;EN 60204-1:2018)
RoHS Directive	2011/65/EU (EN 50581:2012)

### Cable data - Structure of the cable

Cable type	Profinet
Cable diameter	6.7 mm
Cross section	4 x AWG22
Sheath material	PUR
Single-lead insulation	Polyolefin
Single-lead structure	AWG 22/7
Cable color	green

### Cable data - Electrical properties

Conductor resistance	55 Ω/Km (20°C)
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### Cable data - Mechanical properties

Bending radius, fixed cable	≥ 5 x Ø
Bending radius, moving cable	≥ 15 x Ø
Bending cycles	2 million

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Permitted acceleration	max. 2 m/s <sup>2</sup>
Travel distance, horizontal	at 5 m/s <sup>2</sup> -> 5 m
Travel distance, vertical	at 5 m/s <sup>2</sup> -> 5 m
Travel speed	≤ 200 m/min (5 m horizontal distance)

Cable data - Thermal properties

Temperature range cable in move from/to	-20 °C / 60 °C
Temperature range cable fixed from/to	-40 °C / 80 °C

Cable data - Other features

Halogen free	Yes
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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.

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.

To lock the cable connector with the device connector, the threaded ring is tightened "hand-tight" (approx. 50 cNm).