

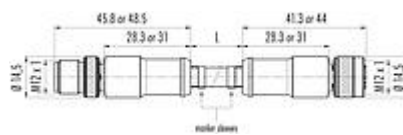
Product description **M12-D connection cable male cable connector - female cable connector, Contacts: 4, shielded, moulded cable, IP67, Profinet, PUR green, 4 x AWG22, 0,3 m**

Area **M12-D series 876**  
Part no. **77 4530 4529 50704-0030**

Illustration



Scale drawing



Technical data

General features

Part no.	<b>77 4530 4529 50704-0030</b>
Connector design	connection cable male cable connector - female cable connector
Cable length	0,3 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)	656.00
Customs tariff number	85444290

Electrical parameters

Rated voltage	250 V
Rated impulse voltage	2500 V
Rated current (40 °C)	4,0 A
Pollution degree	3
Overvoltage category	II
Insulating material group	I
EMC compliance	shielded

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### Material

Contact body material	PUR
Contact material	CuSn (bronze)
Contact plating	Au (gold)
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	05e1e0a0-dedb-4e51-9bfa-09cf27921c00

### 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 - Mechanical properties

Bending radius, fixed cable	$\geq 5 \times \varnothing$
Bending radius, moving cable	$\geq 15 \times \varnothing$
Bending cycles	2 million
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	$\leq 200$ 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