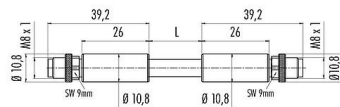


Product description	M8 Connecting cable 2 male cable connectors, Contacts: 4, shielded, moulded on the cable, IP67, Profinet/Ethernet CAT5e, PUR, green, 4 x AWG 22, 2 m
Area	M8-D
Part no.	77 5429 5429 50704-0200

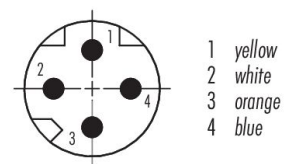
Illustration



Scale drawing



Contact arrangement (Plug-in side)



Technical data

General features

Part no.	77 5429 5429 50704-0200
Connector design	Connecting cable 2 male cable connectors
Type standard	DIN EN 61076-2-114
Cable length	2 m (Standard 1 m and 2 m. Other lengths are available on request.)
Version	Connector pin straight
Connector locking system	M8x1
Termination	moulded on the cable
Degree of protection	IP67
Cross-sectional area	0.34 mm² / AWG 22
Temperature range from/to	-25 °C / 85 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	36.00
Customs tariff number	85444290
Country of Origin	DE

Electrical parameters

Rated voltage	25 V AC (60 V DC)
Rated impulse voltage	1500 V
Rated current	4.0 A
Insulation resistance	≥ 10 ⁸ Ω
Pollution degree	3
Overvoltage category	II
Insulating material group	I
EMC compliance	shielded
Shield connection	Shield on the threaded ring

Material

Contact body material	PUR black
-----------------------	-----------

Product description **M8 Connecting cable 2 male cable connectors, Contacts: 4, shielded, moulded on the cable, IP67, Profinet/Ethernet CAT5e, PUR, green, 4 x AWG 22, 2 m**

Area **M8-D**
Part no. **77 5429 5429 50704-0200**

Contact material	CuZn (brass)
Contact plating	Au (gold)
Locking material	CuZn (brass)
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	b9b7aed4-d2ae-4062-b250-9bab9f4ec2e6

Classifications

eCl@ss 11.1	27-06-03-11
ETIM 9.0	EC002638

Declarations of conformity

RoHS Directive	2011/65/EU (EN 50581:2012)
----------------	----------------------------

Cable data - Structure of the cable

Cable type	Profinet/Ethernet CAT5e
Cable diameter	6.7 mm
Cross section	4 x AWG 22
Sheath material	PUR
Single-lead insulation	Polyolefin
Cable color	green

Cable data - Electrical properties

Conductor resistance	55 Ω/Km (20°C)
----------------------	----------------

Cable data - Mechanical properties

Bending radius, fixed cable	≥ 5 x Ø
Bending radius, moving cable	≥ 15 x Ø
Bending cycles	2 million
Permitted acceleration	max. 2 m/s ²
Travel distance, horizontal	max. 5 m
Travel distance, vertical	max. 5 m
Travel speed	200 m/min

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
--------------	-----

Product description	M8 Connecting cable 2 male cable connectors, Contacts: 4, shielded, moulded on the cable, IP67, Profinet/Ethernet CAT5e, PUR, green, 4 x AWG 22, 2 m
---------------------	---

Area	M8-D
Part no.	77 5429 5429 50704-0200

Security notices

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 IP67 and IP68 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. 40 cNm).