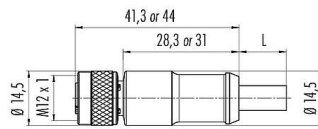


Product description	M12 Female cable connector, Contacts: 4, shielded, moulded on the cable, IP67, UL, PUR, black, 4 x 0.34 mm ² , 2 m
Area	M12-A
Part no.	77 3530 0000 50704-0200

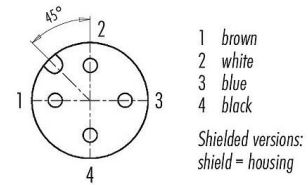
Illustration



Scale drawing



Contact arrangement (Plug-in side)



Technical data

General features

Part no.	77 3530 0000 50704-0200
Notice	Alternative part no.: 79 3530 33 04 Please note that, due to the change from the old to the new order number, there may be deviations in the technical specifications. For questions about product details, please use the 'Contact Customer Service' form on the right.
Connector design	Female cable connector
Type standard	DIN EN 61076-2-101
Cable length	2 m (Standard 2 m and 5 m. Other lengths are available on request.)
Version	Connector socket straight
Connector locking system	screw
Termination	moulded on the cable
Degree of protection	IP67
Cross-sectional area	0.34 mm ² / AWG 22
Temperature range from/to	-25 °C / 90 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	87.00
Customs tariff number	85444290
Country of Origin	DE

Electrical parameters

Rated voltage	250 V
Rated impulse voltage	2500 V
Rated current	4.0 A
Insulation resistance	≥ 10 ¹⁰ Ω
Pollution degree	3
Overvoltage category	II
Insulating material group	II
EMC compliance	shielded
Shield connection	Shield on the threaded ring

Product description	M12 Female cable connector, Contacts: 4, shielded, moulded on the cable, IP67, UL, PUR, black, 4 x 0.34 mm², 2 m
Area	M12-A
Part no.	77 3530 0000 50704-0200

Material

Housing material	PUR
Contact body material	PUR
Contact material	CuSn (bronze)
Contact plating	Au (gold)
Locking material	CuZn (brass)
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	62e7baac-9840-4f30-b1bc-045bcce1cbb5

Authorization/approvals

Approvals	UL
-----------	----

Classifications

ETIM 9.0	EC002638
----------	----------

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 diameter	4.7 mm
Cross section	4 x 0.34 mm ²
Sheath material	PUR
Single-lead insulation	PP9Y halogen-free
Single-lead structure	42 x 0.10 mm
Cable color	black

Cable data - Electrical properties

Conductor resistance	60 Ω/Km (20°C)
----------------------	----------------

Cable data - Mechanical properties

Bending radius, fixed cable	≥ 5 x Ø
Bending radius, moving cable	≥ 10 x Ø
Bending cycles	> 2 million
Permitted acceleration	5 m/s ² + 1 m/s ²
Travel distance, horizontal	5 m/s ² -> 5 m
Travel distance, vertical	5 m/s ² -> 2 m
Travel speed	≤ 200 m/min (5 m horizontal distance)

Cable data - Thermal properties

Temperature range cable in move from/to	-30 °C / 90 °C
Temperature range cable fixed from/to	-50 °C / 90 °C

Product description	M12 Female cable connector, Contacts: 4, shielded, moulded on the cable, IP67, UL, PUR, black, 4 x 0.34 mm², 2 m
Area	M12-A
Part no.	77 3530 0000 50704-0200

Cable data - Other features

Halogen free	yes
--------------	-----

Product description	M12 Female cable connector, Contacts: 4, shielded, moulded on the cable, IP67, UL, PUR, black, 4 x 0.34 mm², 2 m
Area	M12-A
Part no.	77 3530 0000 50704-0200

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.

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

The protection class specification applies on condition that the four mounting holes are made as blind holes.