

M12 female 0° A-cod. with cable

PVC 12x0.14 bk 3m

Art.No.: 7000-19041-7020300

Weight: 0.233 kg

Country of origin: CZ

Model designation: MSBL0-12E702_3.0

Advantages of our connectors:

Our connectors are versatile and specially optimised for industrial environments. All connectors are 100% tested during the manufacturing process to ensure the highest quality and reliability.

The contacts are gold-plated, which ensures optimum conductivity. Thanks to the high degree of protection, the connectors are ideal for demanding industrial environments. They are also vibration-resistant - this is ensured by the union nut with vibration protection.

Our connectors are resistant to oils and cooling lubricants, but resistance to aggressive media should be tested for each specific application. Different cable lengths available [on request](#)

If you are missing technical information? Please feel free to use our [dictionary](#) to find more technical details.

Product details:

Female straight

M12, 12-pole

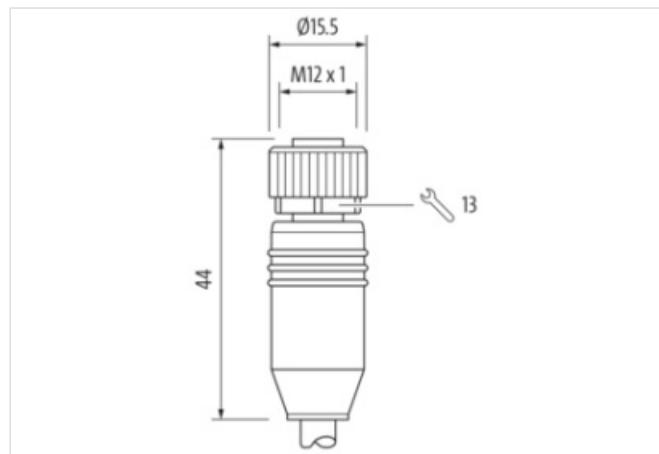
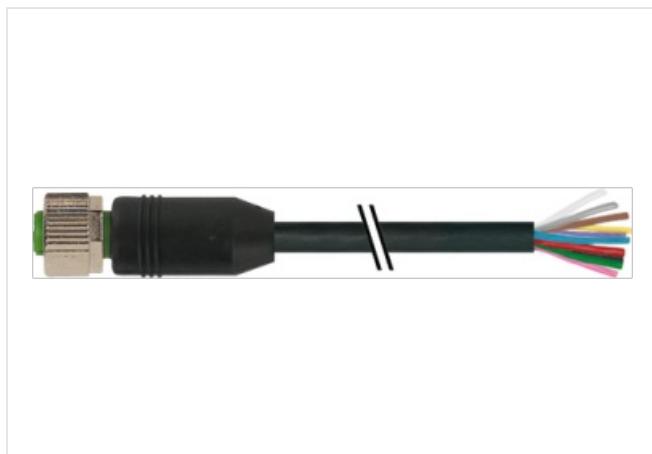
Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

with cable sleeves

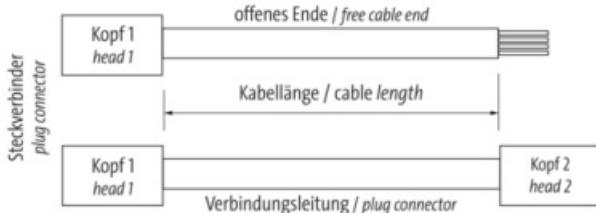
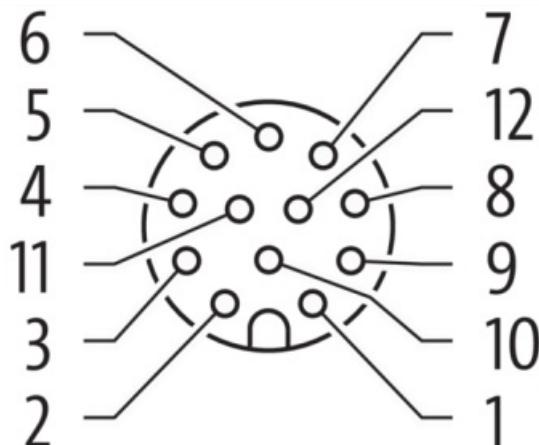
Plastic housings with good resistance against chemicals and oils.

The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

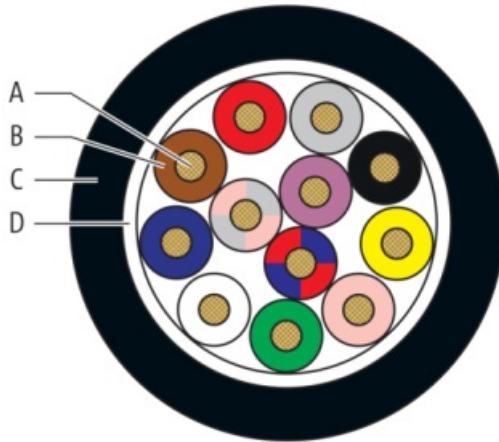
[**Link to Product**](#)
Illustration


1	BN
2	BU
3	WH
4	GN
5	PK
6	YE
7	BK
8	GY
9	RD
10	VT
11	GY PK
12	RD BU



Toleranz Kabellängen:
cable length tolerances

0m < L ≤ 0,5m	+0,03m	1,0m < L ≤ 3,0m	+0,1m
0,5m < L ≤ 1,0m	+0,05m	3,0m < L	±1,5%



Product may differ from Image



Header

Cable length 3,00 m

Side 1

Family construction form	M12
No. of poles	12
Coding	A
Mounting method	inserted, screwed
Threaded hole	M12 x 1
Tightening torque	0,6 Nm
Width across flats	SW13
Cable outlet	straight
Material	PUR
Material contact	Copper alloy
Coating contact	gold plated
Degree of protection (EN IEC 60529)	IP67, IP66K, IP65
Side 2	
Family construction form	free cable end
Stripping length (jacket)	80 mm
Commercial data	
URL Webshop	https://shop.murrelektronik.com/7000-19041-7020300
customs tariff number	85444290
EAN	4048879189170
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	30 V
Operating voltage DC max.	30 V
Current operating per contact max.	1,5 A
Diagnostics	
Status indication LED	No
Installation Connection	
Gender	female
Mounting set	M12 x 1
Device protection Electrical	
Degree of protection (EN IEC 60529)	IP67, IP66K, IP65
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	I
Mechanical data	
Contour for corrugated hose	without
Mechanical data Material data	
Material screw connection	Zinc die-casting
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Coating locking	Nickelated
Material gasket	FKM
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	

Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Conformity	
Product standard	EN IEC 61076-2-101 (M12)
Installation Cable	
Cable identification	702
Amount stranding	1
Stranding	Wires
Amount stranding (type 2)	1
Stranding (type 2)	Wires
Banding	Fleece
Wire arrangement	gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue
Cable weight	50 g/m
Material wire insulation	PVC
Amount wires	12
Outer diameter insulation	1 mm
Outer diameter tolerance core insulation	± 0,05 mm
Shore hardness wire insulation	85 ± 5 Shore A
Ingredient freeness wire insulation	cadmium-free, CFC-free, silicone-free
Amount strands (wire)	18
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,14 mm ²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Outer-diameter (jacket)	6 mm
Tolerance outer diameter (sheath)	± 5 %
Material jacket	PVC
Shore hardness jacket	75 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free
Material property (jacket)	good machinability
Conductor resistance (wire)	138 Ω/km @ 20 °C
Nominal voltage max.	300 V
Withstand voltage (wire - wire)	1.5 kV @ 60 s
Current load capacity max. (wire)	2 A
Operating temperature min. (static)	-30 °C
Operating temperature max. (static)	70 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	70 °C
Bending radius (dynamic)	10 × Outer diameter