

#### M8 female 0° A-cod. with cable

PVC 3x0.25 bk UL/CSA 10m

Art.No.: 7000-08041-6101000

Weight: 0.301 Country of origin: DE

Model designation: MSFL0-R610 10.0

### 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

M8, 3-pole

with cable sleeves

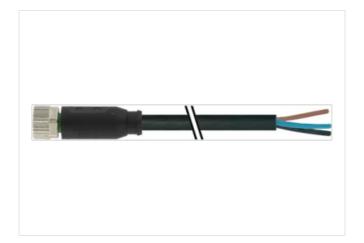
Art-No. 7005 - M8 Lite - (plastic hexagonal screw) on request

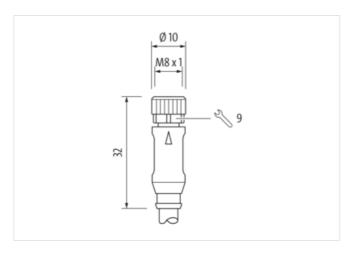
Plastic housings with good resistance against chemicals and oils.

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

## **Link to Product**

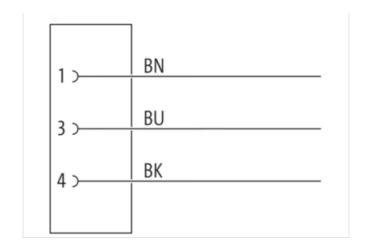
## Illustration

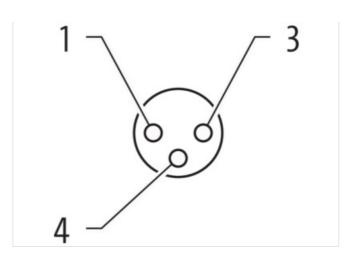


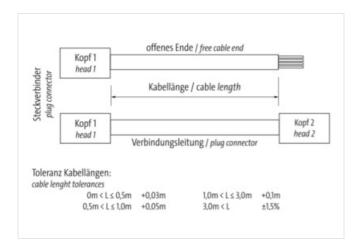


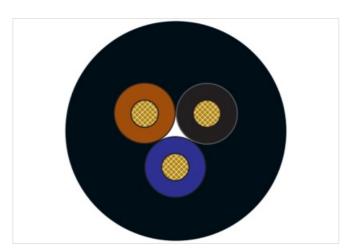


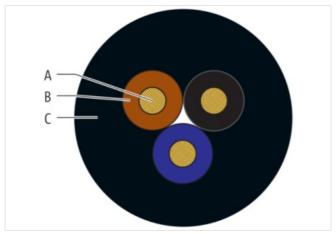
stay connected











Product may differ from Image













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Material short text MSFL0-R610\_10.0

Cable length 10,00 m

Side 1



Family construction form	M8
No. of poles	3
Coding	A
Gender	female
Mounting method	inserted, screwed
Thread	M8 x 1
Tightening torque	0.4 Nm
Width across flats	SW9
Cable outlet	straight
suitable for corrugated tube (internal Ø)	6.5 mm
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
Family construction form Stripping length (jacket)	20 mm
Commercial data	
URL Webshop	https://shop.murrelektronik.com/7000-08041-6101000
GTIN	4048879230827
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-7.1	27279218
ECLASS-8.0	27279218
ECLASS-8.1	27279218
ECLASS-9.0	27060311
ECLASS-9.1	27060311
ECLASS-10.0.1	27060311
ECLASS-10.1	27060311
ECLASS-11.0	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ECLASS-13.0	27060311
ECLASS-14.0	27060311
ETIM-5.0	EC001855
ETIM-6.0	EC001855
ETIM-7.0	EC001855
ETIM-8.0	EC001855
customs tariff number	85444290
EAN	4048879230827
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	50 V
Operating voltage DC max.	60 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	no
Installation   Connection	
Mounting set	M8 x 1
Device protection   Electrical	



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Additional condition protection degree	inserted, screwed	
Pollution Degree	3	
Rated surge voltage	1.5 kV	
Material group (IEC 60664-1)	I	
Mechanical data   Material data		
Material screw connection	Zinc die-casting	
Coating of fitting	nickel plated	
Locking material	Zinc die-casting	
Coating locking	Nickeled	
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	. • • • • • • • • • • • • • • • • • • •	
important installation notes		
Note on bending radius	<b>Attention:</b> 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 61076-2-104 (M8)	
Installation   Cable		
Cable identification	610	
Cable Type	1	
Amount stranding	1	
Stranding	3 wires stranded	
Wire arrangement	brown, black, blue	
Cable weigth	26.7 g/m	
Material wire insulation	PVC	
Amount wires	3	
Outer diameter insulation	1.25 mm	
Outer diameter tolerance core insulation	± 0.05 mm	
Shore hardness wire insulation	45 5 Shore D	
Material properties wire insulation	good machinability	
Ingredient freeness wire insulation	CFC-free, cadmium-free, silicone-free, lead-free	
Amount strands (wire)	14	
Diameter of single wires	0.15 mm	
Conductor crosssection (wire)	0.25 mm <sup>2</sup>	
Material conductor wire	Stranded copper wire, bare	
Conductor type (wire)	Strand class 5	
Outer-diameter (jacket)	4.5 mm	
Tolerance outer diameter (sheath)	±5%	
Material jacket	PVC	
Shore hardness jacket	85 5 Shore A	
Freedom from ingredients (jacket)	CFC-free, cadmium-free, silicone-free, lead-free	
Material property (jacket)	good machinability	
Conductor resistance (wire)	79 Ω/km @ 20 °C	
Nominal voltage AC max.	300 V	
Withstand voltage (wire - wire)	2 kV @ 60 s	
Withstand voltage (wire - jacket)	2 kV @ 60 s	

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2025-11-02



Current load capacity min. wire	4.5 A
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
Flame resistance	UL 1581 § 1080, CSA FT1, IEC 60332-1-2
Oil resistance	good
Chemical resistance	good
Other resistances	good resistance to gasoline
Bending radius (fixed)	5 × Outer diameter
Bending radius (dynamic)	10 × Outer diameter