

M8 female 0° A-cod. with cable

PVC 3x0.25 bk UL/CSA 10m

Art.No.: 7000-08041-6101000

Weight: 0.301 kg 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

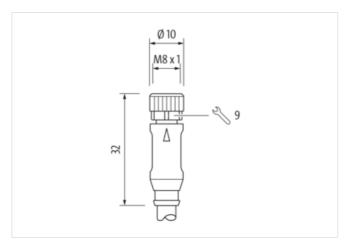
Plastic housings with good resistance against chemicals and oils.

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

Link to Product

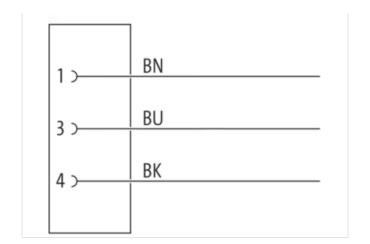
Illustration

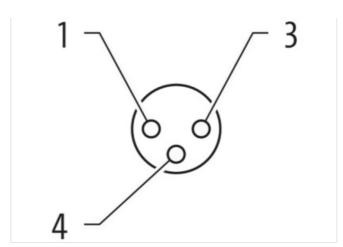


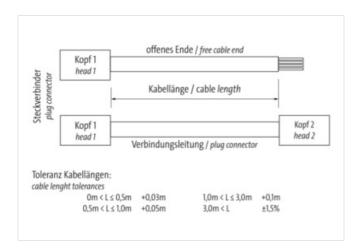


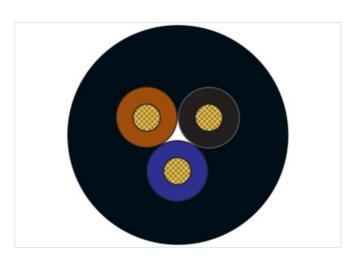


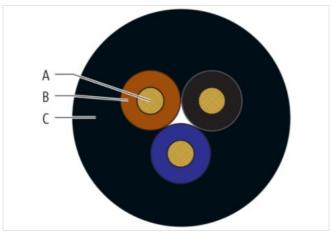
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Product may differ from Image













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Material short text MSFL0-R610_10.0

Cable length 10,00 m

Side 1

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: 2025-12-19



Family construction form	M8
No. of poles	3
Coding	A
Gender	female
Mounting method	inserted, screwed
Threaded hole	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
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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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 lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 14 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,25 mm² 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) lead-free, cadmium-free, CFC-free, silicone-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	Amount wires	3	
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Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 14 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,25 mm² 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) lead-free, cadmium-free, CFC-free, silicone-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	Outer diameter tolerance core insulation	± 0,05 mm	
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 14 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,25 mm² 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) lead-free, cadmium-free, CFC-free, silicone-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	Shore hardness wire insulation	45 ± 5 Shore D	
Amount strands (wire) 14 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,25 mm² 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) lead-free, cadmium-free, CFC-free, silicone-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	Material properties wire insulation	good machinability	
Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,25 mm² 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) lead-free, cadmium-free, CFC-free, silicone-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	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free	
Conductor crosssection (wire) 0,25 mm² 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) lead-free, cadmium-free, CFC-free, silicone-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	Amount strands (wire)	14	
Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Outer-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeMaterial property (jacket)good machinabilityConductor resistance (wire)79 Ω/km @ 20 °CNominal voltage AC max.300 VWithstand voltage (wire - wire)2 kV @ 60 sWithstand voltage (wire - jacket)2 kV @ 60 s	Diameter of single wires	0,15 mm	
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) lead-free, cadmium-free, CFC-free, silicone-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	Conductor crosssection (wire)	0,25 mm²	
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) lead-free, cadmium-free, CFC-free, silicone-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	Material conductor wire	Stranded copper wire, bare	
Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-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	Conductor type (wire)	Strand class 5	
Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-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	Outer-diameter (jacket)	4,5 mm	
Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-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	Tolerance outer diameter (sheath)	±5%	
Freedom from ingredients (jacket) Material property (jacket) Conductor resistance (wire) Nominal voltage AC max. Withstand voltage (wire - wire) Very Withstand voltage (wire - jacket) lead-free, cadmium-free, CFC-free, silicone-free good machinability 79 \(\Omega \) km @ 20 \(\cdot \) C Nominal voltage AC max. 300 \(\Very \) Withstand voltage (wire - wire) 2 kV @ 60 s Very Withstand voltage (wire - jacket)	Material jacket	PVC	
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	Shore hardness jacket	85 ± 5 Shore A	
Conductor resistance (wire)79 Ω/km @ 20 °CNominal voltage AC max.300 VWithstand voltage (wire - wire)2 kV @ 60 sWithstand voltage (wire - jacket)2 kV @ 60 s	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free	
Nominal voltage AC max. 300 V Withstand voltage (wire - wire) 2 kV @ 60 s Withstand voltage (wire - jacket) 2 kV @ 60 s	Material property (jacket)	good machinability	
Withstand voltage (wire - wire) 2 kV @ 60 s Withstand voltage (wire - jacket) 2 kV @ 60 s	Conductor resistance (wire)	79 Ω/km @ 20 °C	
Withstand voltage (wire - jacket) 2 kV @ 60 s	Nominal voltage AC max.	300 V	
	Withstand voltage (wire - wire)	2 kV @ 60 s	
Current load capacity (standard) to DIN VDE 0298-4	Withstand voltage (wire - jacket)	2 kV @ 60 s	
	Current load capacity (standard)	to DIN VDE 0298-4	

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: 2025-12-19



Current load capacity min. wire	4,5 A	
Operating temperature min. (static)	-30 °C	
Operating temperature max. (static)	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	