

M12 female 0° A-cod. with cable

PVC 5x0.34 ye UL/CSA 5m

Art.No.: 7000-12241-0150500

Weight: 0.272 kg Country of origin: CZ

Model designation: MSBL0-U015_5.0

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, 5-pole A-coded

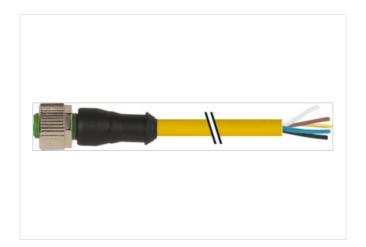
Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

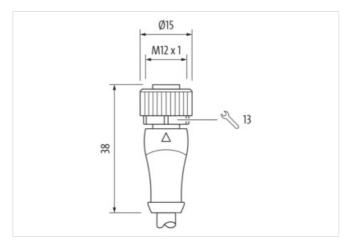
Plastic housings with good resistance against chemicals and oils.

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

Link to Product

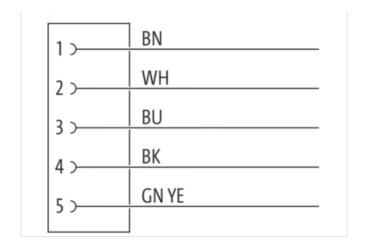
Illustration

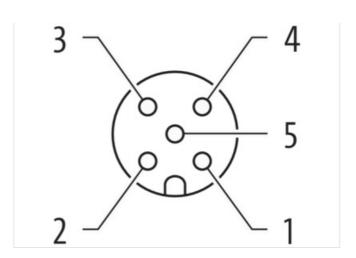


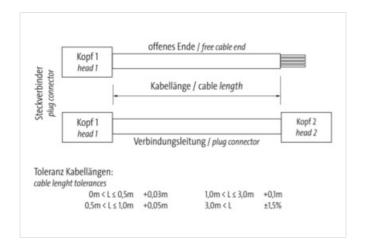


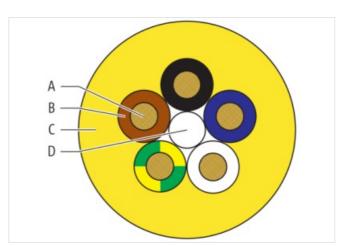


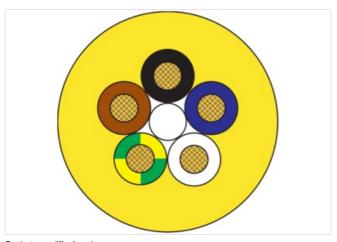
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Product may differ from Image















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Material short text MSBL0-U015_5.0

Cable length 5,00 m

Side 1



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Family construction form	M12
No. of poles	5
Coding	A
Gender	female
Mounting method	inserted, screwed
Threaded hole	M12 x 1
Tightening torque	0,6 Nm
Width across flats	SW13
Cable outlet	straight
suitable for corrugated tube (internal Ø)	10 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
	20 11111
Commercial data	
URL Webshop	https://shop.murrelektronik.com/7000-12241-0150500
GTIN	4048879211772
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 Packaging unit	4048879211772
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	125 V
Operating voltage DC max.	125 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	No
Installation Connection	
Gender	female
Mounting set	M12 x 1
Device protection Electrical	

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: 2025-12-14



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Additional condition protection degree insented, screwed Pollution Degree 3 3 Rated surge votinge 1,5 kV Material group (IEC 00064-1) 1 Material screw connection Improvement Improveme			
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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) 19 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 5,2 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) 57 Ω/km @ 20 °C	Outer diameter insulation	1,25 mm	
Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 5,2 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) 57 Ω/km @ 20 °C	Outer diameter tolerance core insulation	± 0,05 mm	
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 19 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 5,2 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) 57 Ω/km @ 20 °C	Shore hardness wire insulation	45 ± 5 Shore D	
Amount strands (wire) Diameter of single wires O,15 mm Conductor crosssection (wire) Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) Reedom from ingredients (jacket) Material property (jacket) Gooductor resistance (wire) 57 Ω/km @ 20 °C	Material properties wire insulation	good machinability	
Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 5,2 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) 57 Ω/km @ 20 °C	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free	
Diameter of single wires0,15 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Outer-diameter (jacket)5,2 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)57 Ω/km @ 20 °C	Amount strands (wire)	19	
Conductor crosssection (wire) $0,34 \text{ mm}^2$ Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Outer-diameter (jacket) $5,2 \text{ mm}$ Tolerance outer diameter (sheath) $\pm 5\%$ Material jacketPVCShore hardness jacket $85 \pm 5 \text{ Shore A}$ Freedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeMaterial property (jacket)good machinabilityConductor resistance (wire) $57 \Omega/\text{km} @ 20 ^{\circ}\text{C}$	Diameter of single wires	0,15 mm	
Conductor type (wire) Strand class 5 Outer-diameter (jacket) 5,2 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) Gonductor resistance (wire) Strand class 5 Comm Command Expression Strand class 5 Expression Strand class 5 Expression Strand class 5 Expression Expression Strand class 5 Expression Strand class 5 Expression Expression Strand class 5 Expression Expression Strand class 5 Expression Expressio	Conductor crosssection (wire)	· · · · · · · · · · · · · · · · · · ·	
Outer-diameter (jacket) 5,2 mm Tolerance outer diameter (sheath) \pm 5 % Material jacket PVC Shore hardness jacket 85 \pm 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Material property (jacket) good machinability Conductor resistance (wire) 57 Ω /km @ 20 °C	Material conductor wire	Stranded copper wire, bare	
Tolerance outer diameter (sheath) $\pm 5\%$ 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) $57 \Omega/\text{km} @ 20 °\text{C}$	Conductor type (wire)	Strand class 5	
Tolerance outer diameter (sheath) $\pm 5\%$ 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) $57 \Omega/\text{km} @ 20 °\text{C}$	Outer-diameter (jacket)	5,2 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) 57 Ω/km @ 20 °C	Tolerance outer diameter (sheath)	± 5 %	
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) 57 Ω/km @ 20 °C	Material jacket	PVC	
Material property (jacket) good machinability Conductor resistance (wire) 57 Ω/km @ 20 °C	Shore hardness jacket	85 ± 5 Shore A	
Conductor resistance (wire) 57 Ω/km @ 20 °C	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free	
	Material property (jacket)	good machinability	
Nominal voltage AC max. 300 V	Conductor resistance (wire)	57 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
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,5 A
Min. operating temperature (static)	-30 °C
Max. operating temperature (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