

**M12 female 0° A-cod. with cable V2A**

PVC 5x0.34 gy UL/CSA 7.5m

Art.No.: 7002-12241-2150750

Weight: 0.342 kg

Country of origin: DE

Model designation: MSBL0-U215\_7.5-S02

**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

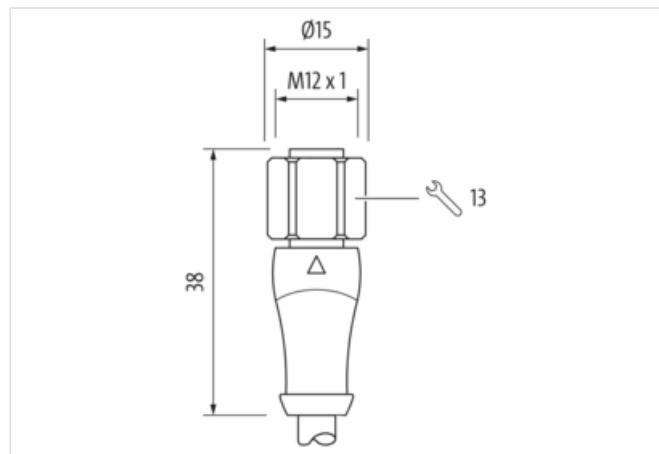
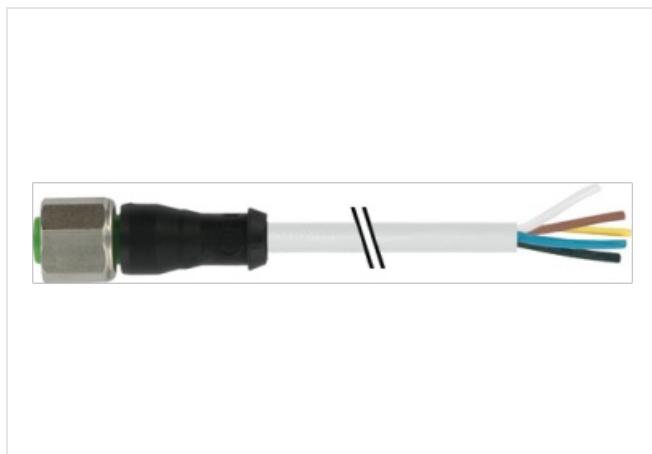
Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

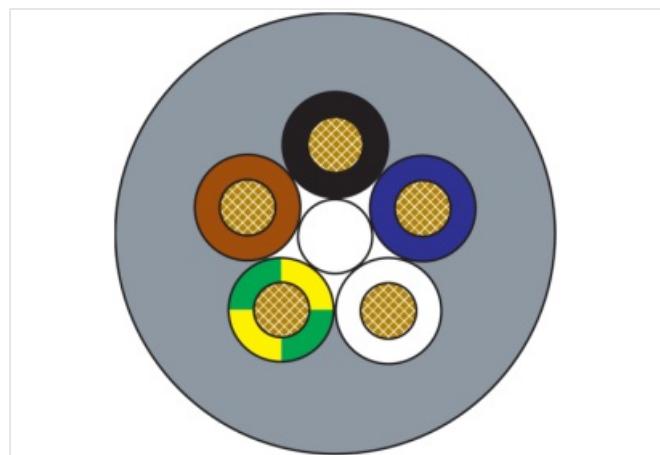
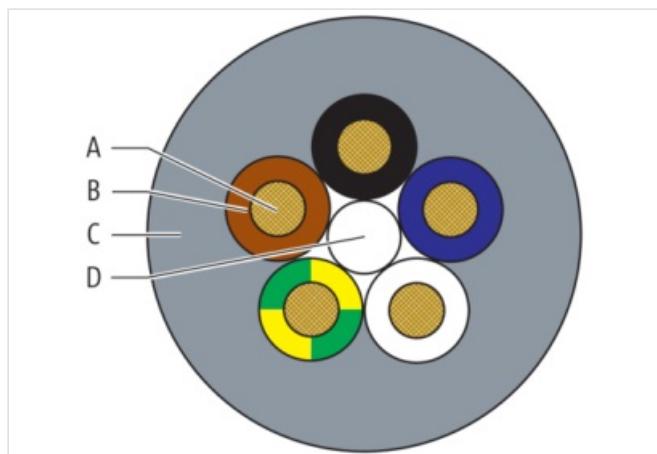
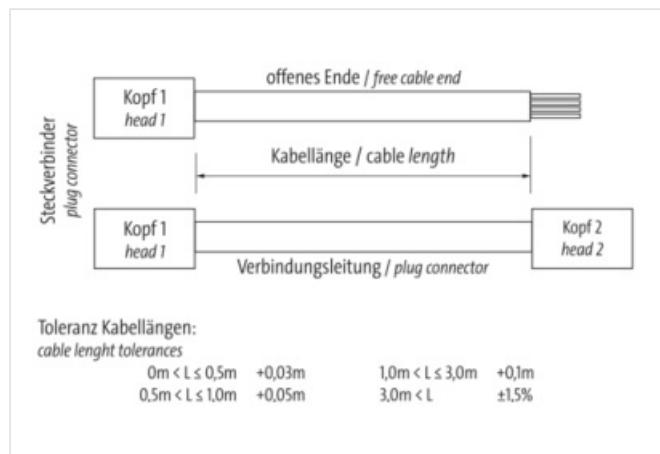
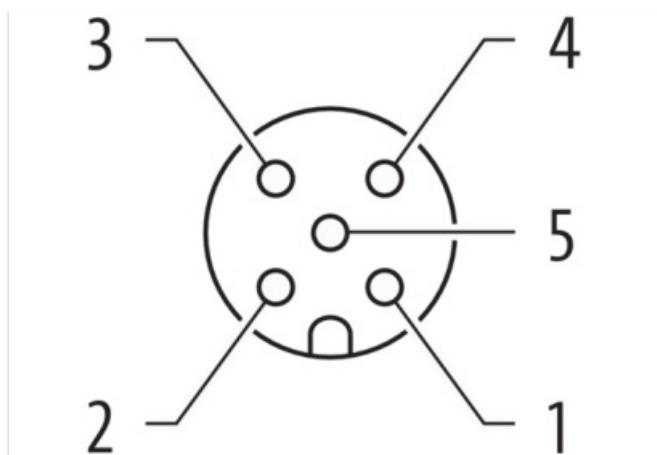
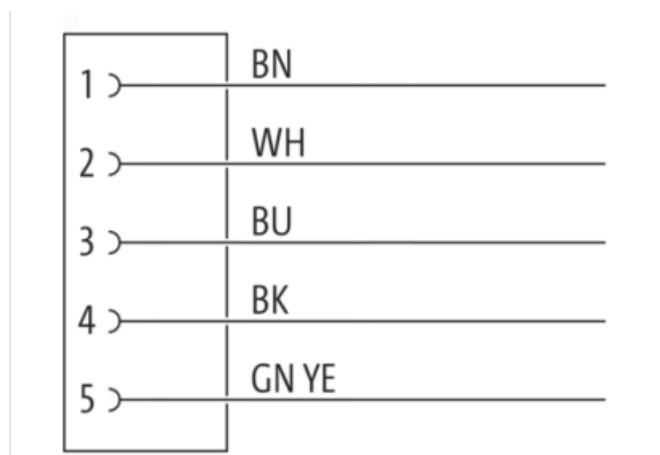
Stainless steel 1.4305 (V2A)

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**




Product may differ from Image

**Header**

Material short text MSBL0-U215\_7.5-S02

Cable length 7,50 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: 2026-02-01

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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 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	<a href="https://shop.murrelektronik.com/7002-12241-2150750">https://shop.murrelektronik.com/7002-12241-2150750</a>
GTIN	4048879585088
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	4048879585088
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

**Device protection | Electrical**

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 housing	PUR
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Material screw connection	Stainless steel 1.4305 (V2A)
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**Mechanical data | Mounting data**

Mounting method	inserted, screwed, Shaking protection
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**Environmental characteristics | Climatic**

Operating temperature min.	-30 °C
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Operating temperature max.	85 °C
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Additional condition temperature range	depending on cable quality
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**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.
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Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
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**Conformity**

Product standard	EN IEC 61076-2-101 (M12)
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**Installation | Cable**

Cable identification	215
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Cable Type	1
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Amount stranding	1
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Stranding	5 wires around core filler twisted
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Filler	Yes
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Wire arrangement	brown, black, blue, white, green-yellow
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Cable weight	44 g/m
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Material wire insulation	PVC
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Amount wires	5
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Outer diameter insulation	1,25 mm
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Outer diameter tolerance core insulation	± 0,05 mm
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Shore hardness wire insulation	45 ± 5 Shore D
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Material properties wire insulation	good machinability
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Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
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Amount strands (wire)	19
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Diameter of single wires	0,15 mm
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Conductor crosssection (wire)	0,34 mm²
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Material conductor wire	Stranded copper wire, bare
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Conductor type (wire)	Strand class 5
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Outer-diameter (jacket)	5,2 mm
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Tolerance outer diameter (sheath)	± 5 %
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Material jacket	PVC
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Shore hardness jacket	85 ± 5 Shore A
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Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
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Material property (jacket)	good machinability
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Conductor resistance (wire)	57 Ω/km @ 20 °C
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Nominal voltage max.	300 V
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Withstand voltage (wire - wire)	2 kV @ 60 s
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Withstand voltage (wire - jacket)	2 kV @ 60 s
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Current load capacity (standard)	to DIN VDE 0298-4
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Current load capacity max. (wire)	4,5 A
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Operating temperature min. (static)	-30 °C
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Operating temperature max. (static)	80 °C
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Operating temperature min. (dynamic)	-5 °C
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Operating temperature max. (dynamic)	80 °C
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Flame resistance	UL 1581 § 1080, CSA FT1, IEC 60332-1-2
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Oil resistance	good
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Chemical resistance	good
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Other resistances	good resistance to gasoline
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Bending radius (fixed)	5 × Outer diameter
Bending radius (dynamic)	10 × Outer diameter

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