

**M12 male 0° / M12 female 0° A-cod.**

PUR 4x0.34 gy UL/CSA+drag ch. 0.6m

Art.No.: 7000-40021-2340060

Weight: 0.038

Country of origin: US

Model designation: MSBL0-A-T234\_0.6

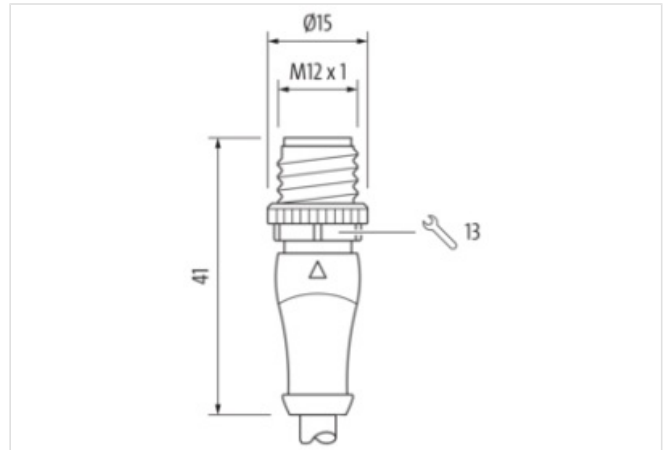
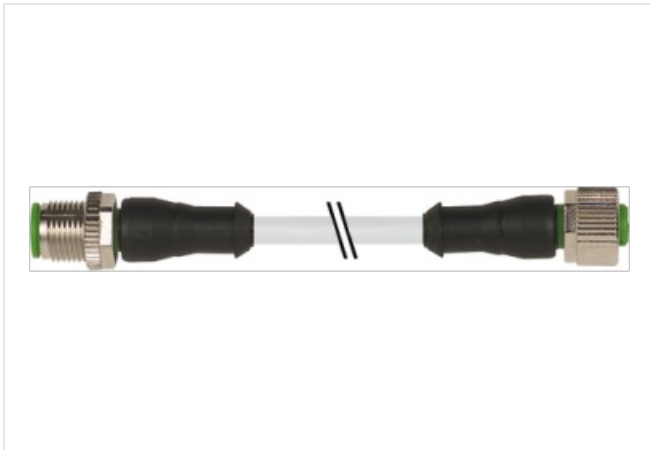
**Advantages of our connectors:**

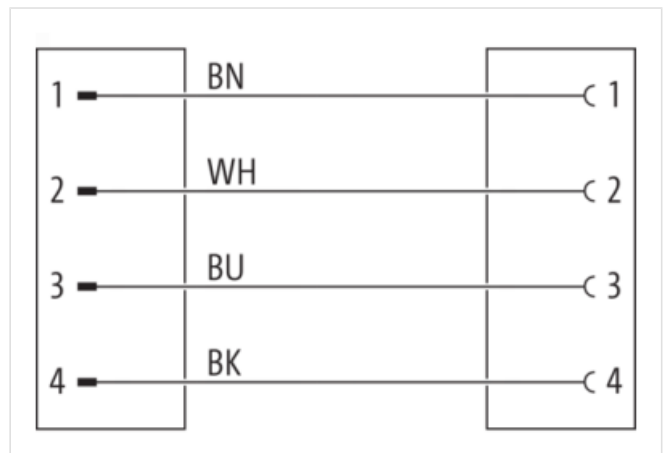
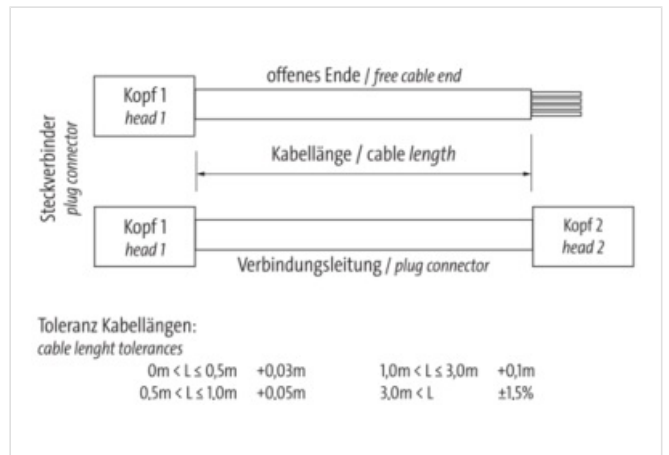
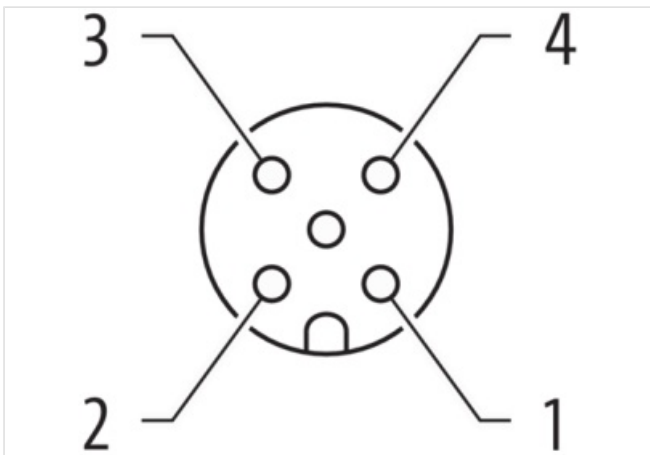
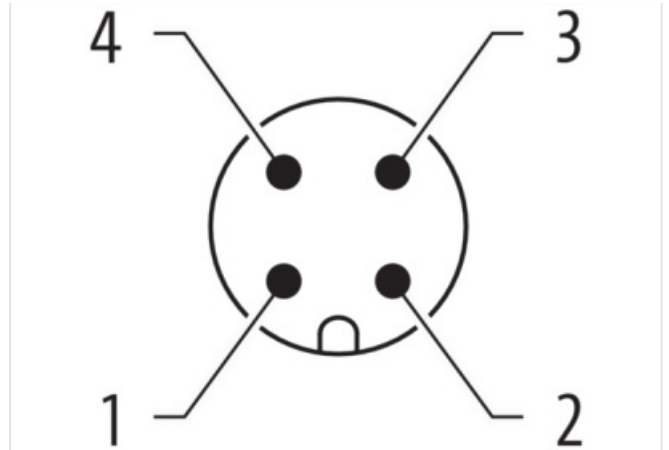
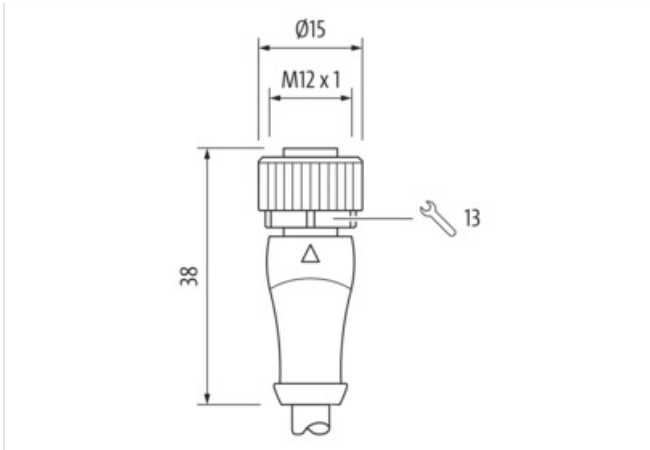
Our connectors are versatile and specially optimised for industrial environments. All connectors are 100% tested during the manufacturing process to ensure the highest quality and reliability.

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.

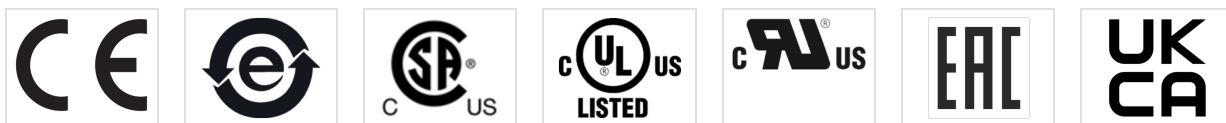
Our connectors are resistant to oils and cooling lubricants, but resistance to aggressive media should be tested for each specific application. Different cable lengths available [on request](#)

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

**Product details: Male straight – female straight****M12 – M12, 4-pole****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**



Product may differ from Image



Header

Cable length

0.6 m

Side 1

Family construction form	M12
No. of poles	4
Coding	A
Gender	male
Mounting method	inserted, screwed
Thread	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
Degree of protection (EN IEC 60529)	IP67, IP66K, IP65

**Side 2**

Family construction form	M12
No. of poles	4
Coding	A
Gender	female
Mounting method	inserted, screwed
Thread	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
Degree of protection (EN IEC 60529)	IP67, IP66K, IP65

**Commercial data**

URL Webshop	<a href="https://shop.murrelektronik.com/7000-40021-2340060">https://shop.murrelektronik.com/7000-40021-2340060</a>
customs tariff number	85444290
EAN	4048879184199
Packaging unit	1

**Electrical data | Supply**

Operating voltage AC max.	250 V
Operating voltage DC max.	250 V
Current operating per contact max.	4 A

**Diagnostics**

Status indication LED	no
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**Installation | Connection**

Mounting set	M12 x 1
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**Device protection | Electrical**

Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	2.5 kV
Material group (IEC 60664-1)	I

**Mechanical data | Material data**

Color contact carrier	green
Material screw connection	Zinc die-casting
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Coating locking	Nickeled

**Mechanical data | Mounting data**

Mounting method inserted, screwed, Shaking protection

Environmental characteristics   Climatic	
Operating temperature min.	-30 °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	DIN EN 61076-2-101 (M12)
Installation   Cable	
Cable identification	234
Cable Type	3
Amount stranding	1
Stranding	4 wires stranded
Wire arrangement	brown, black, blue, white
Cable weight	36.3 g/m
Material wire insulation	PP
Amount wires	4
Outer diameter insulation	1.25 mm
Outer diameter tolerance core insulation	± 0.05 mm
Shore hardness wire insulation	70 5 Shore D
Ingredient freeness wire insulation	CFC-free, cadmium-free, silicone-free, halogen-free, lead-free
Amount strands (wire)	42
Diameter of single wires	0.1 mm
Conductor crosssection (wire)	0.34 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Outer-diameter (jacket)	4.5 mm
Tolerance outer diameter (sheath)	± 5 %
Material jacket	PUR
Shore hardness jacket	90 5 Shore A
Freedom from ingredients (jacket)	CFC-free, cadmium-free, silicone-free, halogen-free, lead-free
Material property (jacket)	matte, good machinability, abrasion-resistant, low adhesion
Conductor resistance (wire)	57 Ω/km @ 20 °C
Nominal voltage AC max.	300 V
Withstand voltage (wire - wire)	2.5 kV @ 60 s
Withstand voltage (wire - jacket)	2.5 kV @ 60 s
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4.8 A
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (drag chain)	-25 °C
Operating temperature max. (drag chain)	80 °C / 90 °C @ 10000 h Operation
Flame resistance	UL 1581 § 1090, CSA FT2, IEC 60332-2-2
Oil resistance	IEC 60811-404
Chemical resistance	good
Other resistances	good resistance to gasoline, resistant to hydrolysis, resistant to microbes
Bending radius (fixed)	5 × Outer diameter

<b>Bending radius (dynamic)</b>	<b>10 × Outer diameter</b>
<b>No. of bending cycles (C-track)</b>	<b>10 Mio. @ 25 °C</b>
<b>Traversing distance (C-track)</b>	<b>10 m @ 25 °C   horizontal</b>
<b>Travel speed (C-track)</b>	<b>3 m/s @ 25 °C</b>
<b>Acceleration (C-track)</b>	<b>10 m/s<sup>2</sup> @ 25 °C</b>
<b>No. of torsion cycles</b>	<b>2 Mio.</b>
<b>Torsion stress</b>	<b>180 °/m</b>
<b>Torsion speed</b>	<b>35 cycles/min</b>