

**M12 male 0° / M12 female 90° A-cod.**

PVC 4x0.34 gy UL/CSA 10m

Art.No.: 7000-40121-2141000

Weight: 0.424 kg

Country of origin: US

Model designation: MSDL0-A-T214\_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:**

Male straight – female 90°

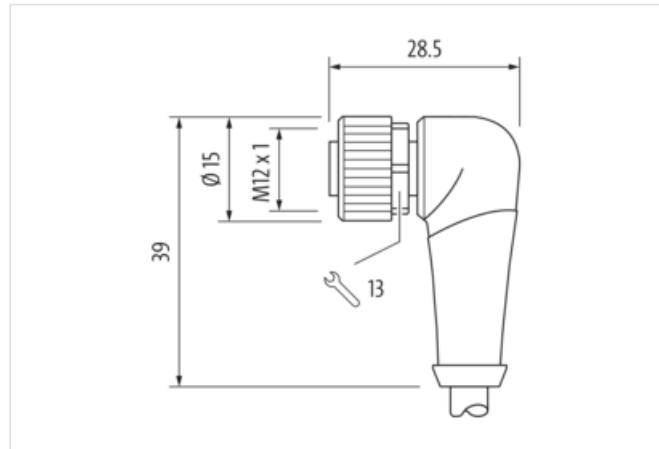
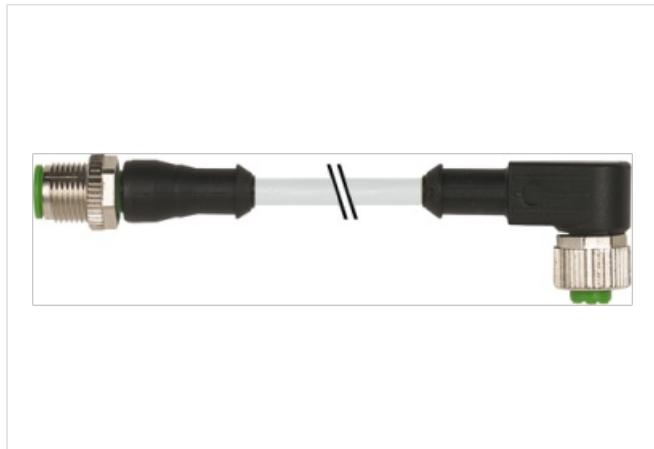
M12 – M12, 4-pole

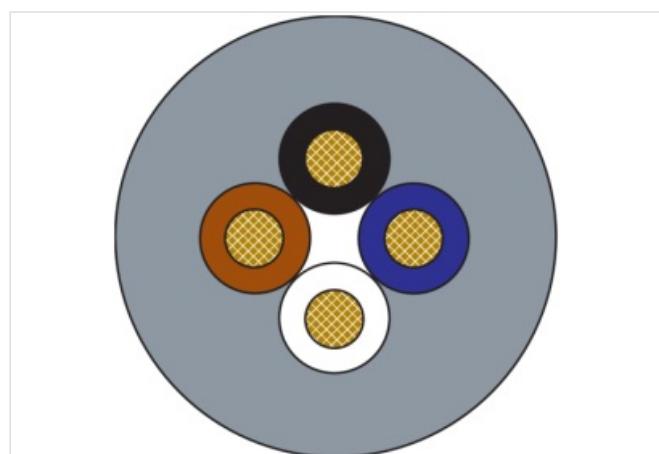
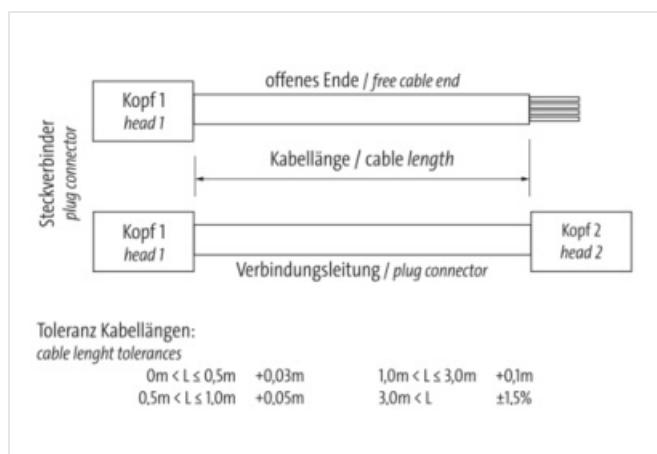
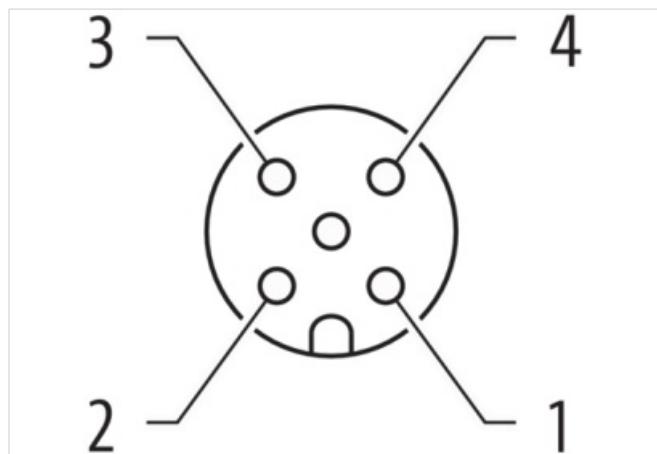
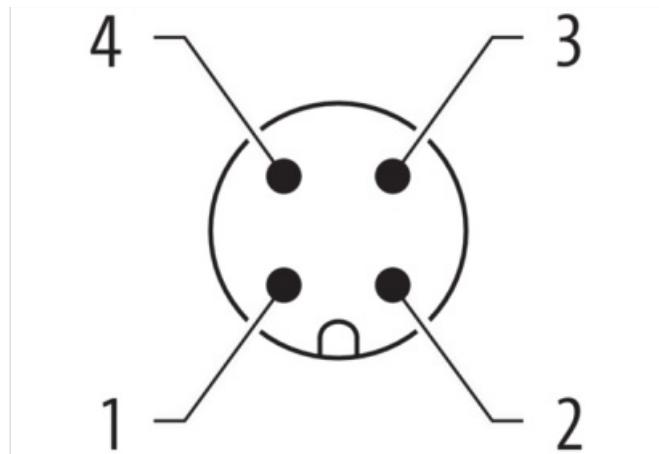
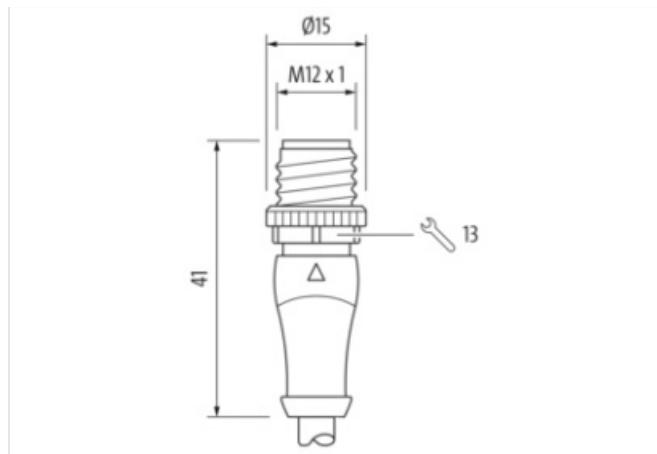
Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

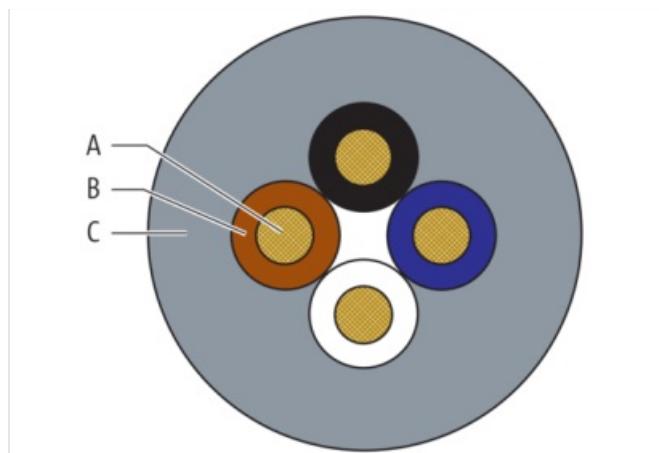
Plastic housings with good resistance against chemicals and oils.

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

Material short text	MSDL0-A-T214_10.0
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Cable length	10,00 m
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#### Side 1

Family construction form	M12
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No. of poles	4
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Coding	A
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Gender	male
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Mounting method	inserted, screwed
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Threaded hole	M12 x 1
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Tightening torque	0,6 Nm
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Width across flats	SW13
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Cable outlet	straight
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suitable for corrugated tube (internal Ø)	10 mm
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Material	PUR
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Material contact	Copper alloy
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Coating contact	gold plated
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Degree of protection (EN IEC 60529)	IP67, IP66K, IP65
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#### Side 2

Family construction form	M12
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No. of poles	4
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Coding	A
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Gender	female
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Mounting method	inserted, screwed
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Threaded hole	M12 x 1
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Tightening torque	0,6 Nm
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Width across flats	SW13
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Cable outlet	angled
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suitable for corrugated tube (internal Ø)	10 mm
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Material	PUR
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Material contact	Copper alloy
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Coating contact	gold plated
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Degree of protection (EN IEC 60529)	IP67, IP66K, IP65
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### Commercial data

URL Webshop	<a href="https://shop.murrelektronik.com/7000-40121-2141000">https://shop.murrelektronik.com/7000-40121-2141000</a>
GTIN	4048879178273
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	4048879178273
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

### 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

Material screw connection	Zinc die-casting
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Coating locking	Nickelized
Material gasket	FKM

### Mechanical data | Mounting data

Mounting method	inserted, screwed, Shaking protection
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### 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	<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 61076-2-101 (M12)

**Installation | Cable**

Cable identification	214
Cable Type	1
Amount stranding	1
Stranding	1 x 4 wires stranded
Wire arrangement	brown, black, blue, white
Cable weight	37 g/m
Material wire insulation	PVC
Amount wires	4
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	lead-free, cadmium-free, CFC-free, silicone-free
Amount strands (wire)	19
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
Outer-diameter (jacket)	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)	57 Ω/km @ 20 °C
Nominal voltage 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 max. (wire)	4,8 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 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter