

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

PVC 5x0.34 bk UL/CSA 10m

Art.No.: 7005-40041-6151000

Weight: 0.461 kg

Country of origin: DE

Model designation: MSBL0-A-U615_10.0-S05

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, 5-pole

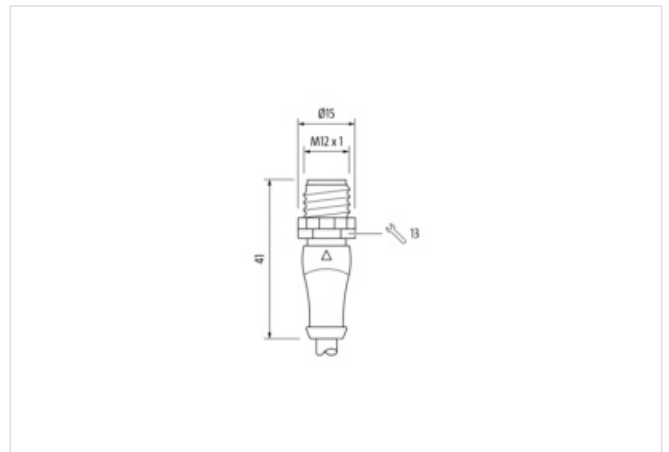
7005 - plastic hexagonal screw (M12 Lite)

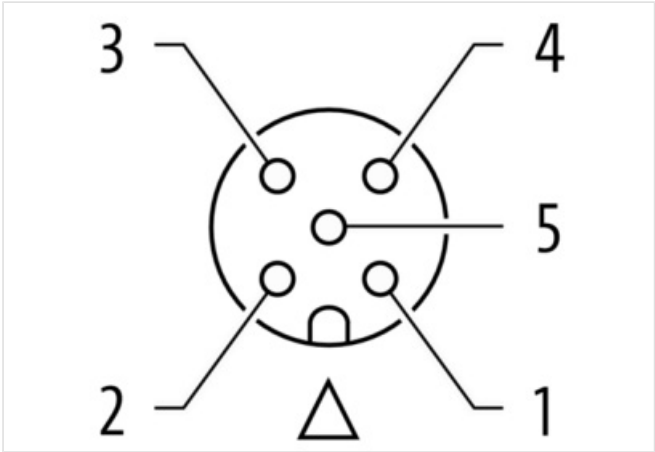
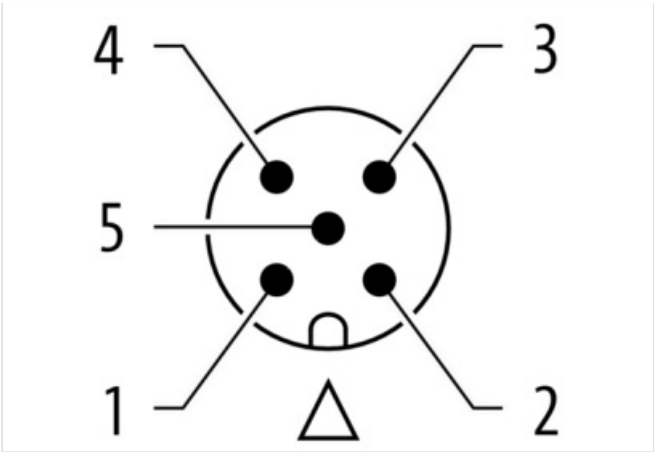
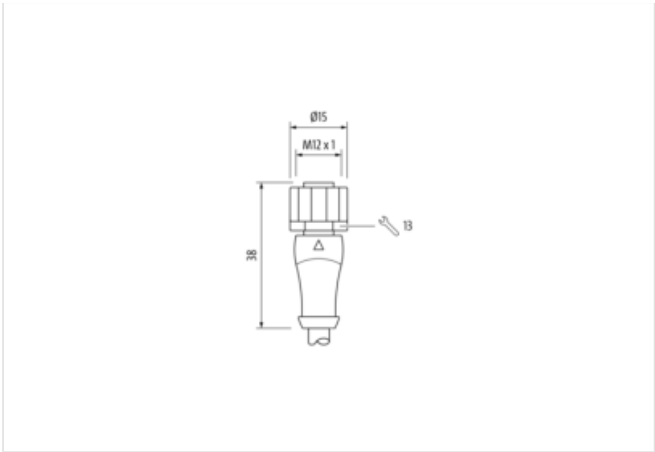
with cable sleeves

Plastic housings with good resistance against chemicals and oils.

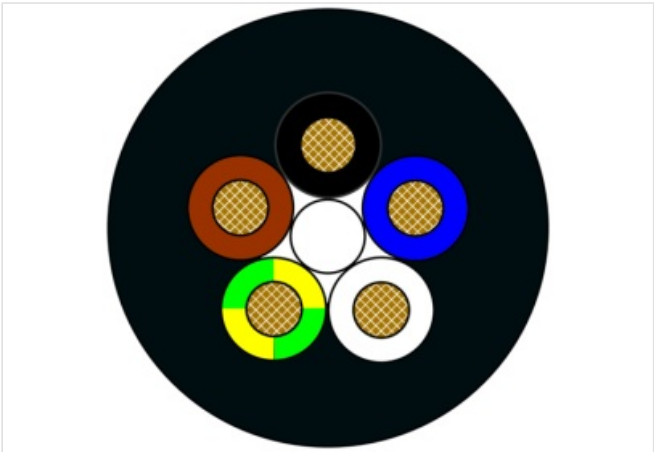
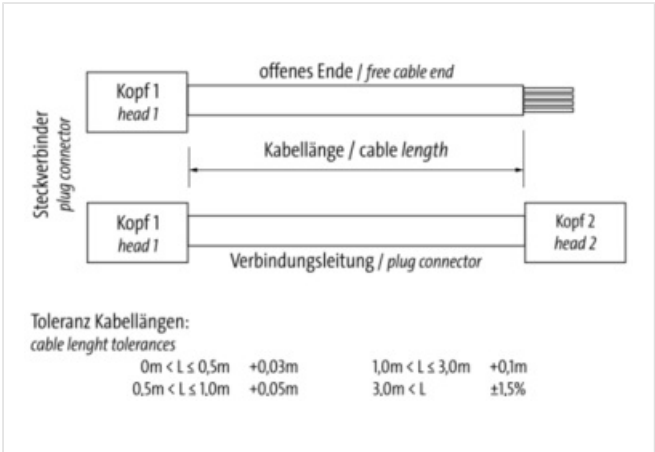
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

[Link to Product](#)
Illustration




1	BN	↔	1
2	WH	↔	2
3	BU	↔	3
4	BK	↔	4
5	GN YE	↔	5



Product may differ from Image



Cable length 10,00 m

Side 1

Family construction form M12

No. of poles	5
Coding	A
Gender	male
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	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

Commercial data

URL Webshop	https://shop.murrelektronik.com/7005-40041-6151000
GTIN	4048879608404
Customs tariff number	85444290
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
customs tariff number	85444290
EAN	4048879608404
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

Mounting set M12 x 1

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

housing PUR

Locking material PA

Gasket FKM

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 EN IEC 61076-2-101 (M12)

Installation | Cable

Stranding 1 × 5 wires around core filler twisted

Filler Yes

Wire arrangement BN, BK, BU, WH, GNYE

Material wire insulation PVC

Amount wires 5

Outer diameter insulation 1.25 mm ± 0.05 mm

Conductor crossection (wire) 0,34 mm²

Material conductor wire Stranded copper wire, bare

Core construction (wire) 19 × 0.15 mm

Material properties wire insulation good machinability

Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free

Material jacket PVC

Outer-diameter (jacket) 5.2 mm ± 5 %

Jacket Color black / RAL 9005

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 max. (wire) 4,5 A

Current load capacity (standard) to DIN VDE 0298-4

Operating temperature (static) -30 °C ... 80 °C

Operating temperature (dynamic) -5 °C ... 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
Notes	application-related testing
Bending radius (fixed)	5 × Outer diameter
Bending radius (dynamic)	10 × Outer diameter