

M12 male 0° / M12 female 0° A-cod.

PUR 5x0.34 bk UL/CSA+robot+drag ch. 5m

Art.No.: 7000-40041-6550500

Weight: 0.231 kg

Country of origin: CZ

Model designation: MSBL0-A-U655_5.0-DS

Male straight – female straight

M12 – M12, 5-pole

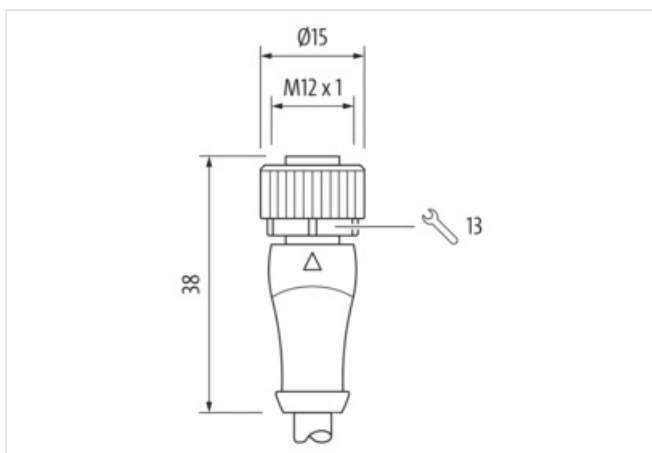
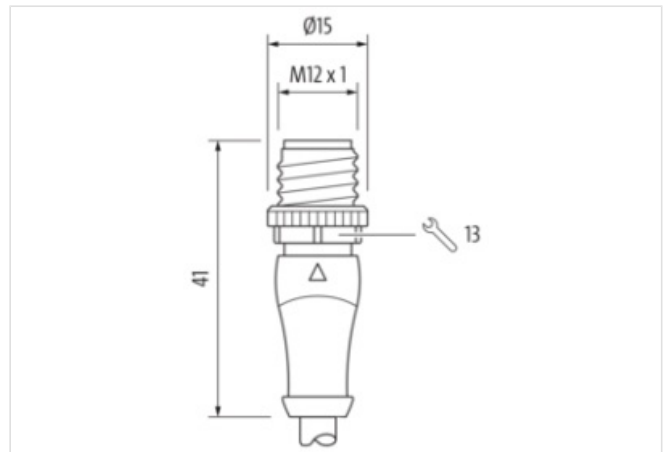
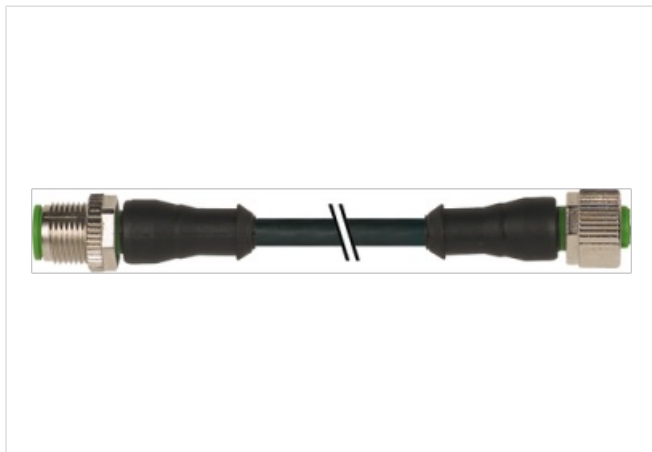
A-coded

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

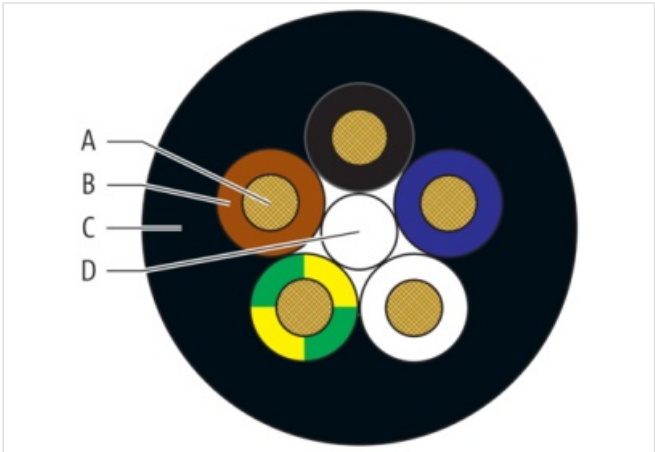
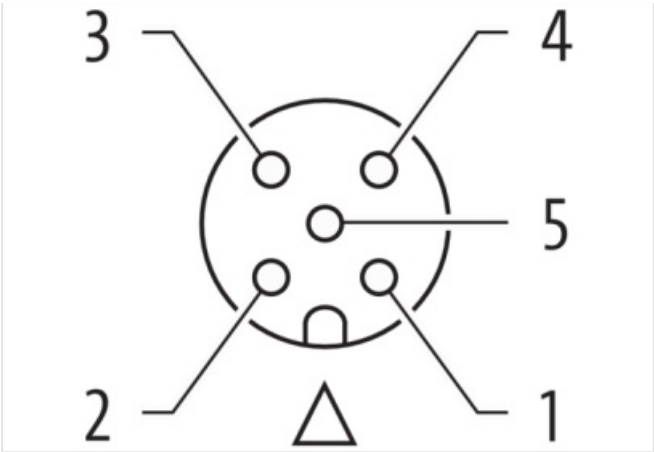
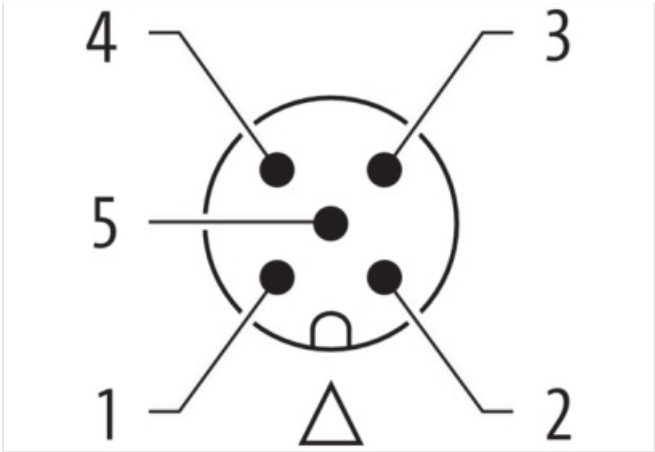
Plastic housings with good resistance against chemicals and oils.

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**

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



Product may differ from Image



Header	
Material short text	MSBL0-A-U655_5.0-DS
Cable length	5,00 m
Side 1	

Family construction form	M12
No. of poles	5
Coding	A
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
Degree of protection (EN IEC 60529)	IP67, IP66K, IP65

Side 2

Family construction form	M12
No. of poles	5
Coding	A
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
Degree of protection (EN IEC 60529)	IP67, IP66K, IP65

Commercial data

URL Webshop	https://shop.murrelektronik.com/7000-40041-6550500
GTIN	4048879181259
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	4048879181259
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

Installation | Connection

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: 2025-12-15

Murrelektronik GmbH | Grabenstraße 29 | 71570 Oppenweiler | Fon +49 (71 91) 47-0 | Fax +49 (71 91) 47-491000 | shop@murrelektronik.com | shop.murrelektronik.com

Mounting set M12 x 1

Device protection Electrical	
Degree of protection (EN IEC 60529)	IP67, IP66K, IP65
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 screw connection	Zinc die-casting
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Coating locking	safe-cover coated
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	
Cable identification	655
Cable Type	5
Amount stranding	1
Stranding	5 wires around core filler twisted
Filler	yes
Wire arrangement	brown, Black, blue, white, green-yellow
Cable weight	38 g/m
Material wire insulation	PP
Amount wires	5
Outer diameter insulation	1.25 mm
Outer diameter tolerance core insulation	± 0.05 mm
Shore hardness wire insulation	74 ± 3 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	42
Diameter of single wires	0.1 mm
Conductor crosssection (wire)	0.34 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Outer-diameter (jacket)	5 mm
Tolerance outer diameter (sheath)	± 5 %
Material jacket	PUR
Shore hardness jacket	58 ± 3 Shore D
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material property (jacket)	abrasion-resistant, low adhesion, good machinability, matte
Conductor resistance (wire)	60 Ω/km @ 20 °C
Nominal voltage AC max.	300 V
Withstand voltage (wire - wire)	2.5 kV @ 60 s

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Withstand voltage (wire - jacket)	2.5 kV @ 60 s
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4.5 A
Min. operating temperature (static)	-40 °C
Max. operating temperature (static)	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, resistant to welding sparks
Bending radius (fixed)	5 × Outer diameter
Bending radius (dynamic)	10 × Outer diameter
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C horizontal
Travel speed (C-track)	3.3 m/s @ 25 °C
Acceleration (C-track)	5 m/s² @ 25 °C
No. of torsion cycles	1 Mio.
Torsion stress	± 360 °/m
Torsion speed	35 cycles/min