

**M12 male 0° A-cod. with cable**

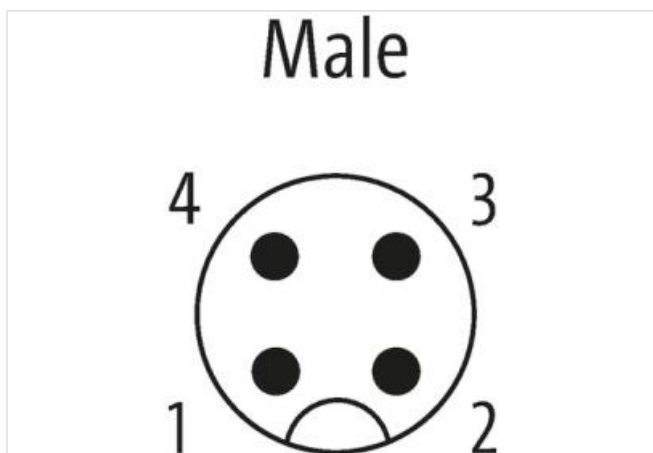
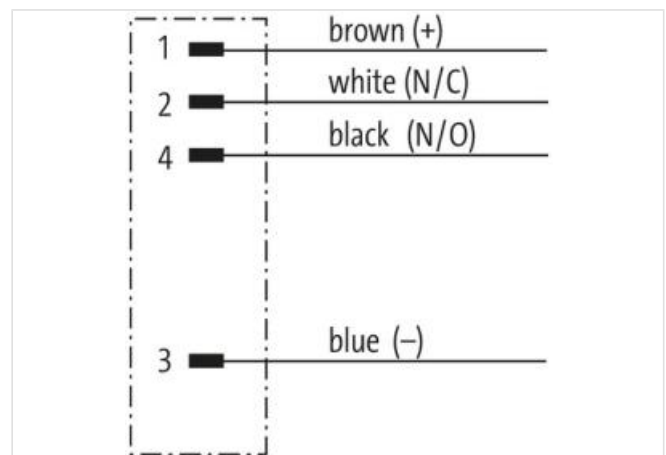
PUR 4x0.75 gy UL/CSA+drag ch. 5m

Male straight

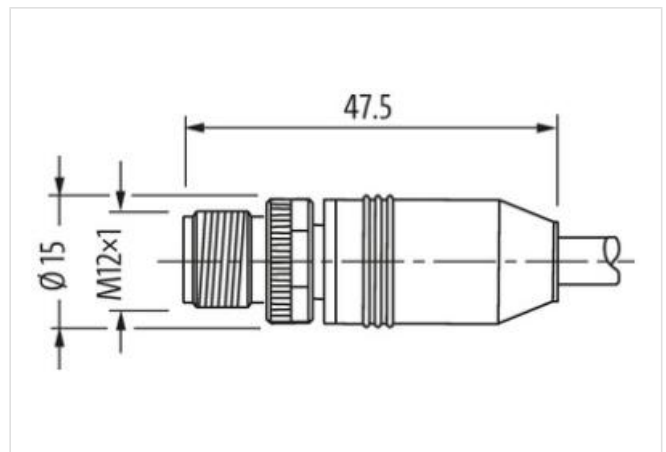
M12, 4-pole

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

Product may differ from Image



\* only for products with UL/CSA approved cable

**Form**

Form

12021

**Technical Data**

Operating voltage	max. 250 V AC/DC
Rated surge voltage	2.5 kV
Operating current per contact	max. 4 A
No. of poles	4
Material group	IEC 60664-1, category I
Coding	A-Coded
Locking of ports	Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing
Material	PUR
Locking material	Zinc die casting, matte nickel plated

**General data**

Standards	DIN EN 61076-2-101 (M12)
Mounting method	inserted, tightened
Pollution Degree	3
Stripping length (jacket)	20 mm
Temperature range	-25...+85 °C, depending on cable quality

**Cables**

Cable identification	862
Cable Type	3 (PUR)
Approval (cable)	cURus (AWM-Style 20549/10493); CE conform
Cable weight [g/m]	67,1 g
Material (wire)	Cu wire, bare
Resistor (core)	max. 26 Ω/km (20 °C)
Single wire Ø (core)	0.15 mm
Construction (core)	42× 0.15 mm (multi-strand wire class 6)
Diameter (core)	4× 0.75 mm²
AWG	similar to AWG 18
Material (wire isolation)	PP
Material property (wire isolation)	CFC-, halogen-, cadmium-, silicone- and lead-free
Shore hardness (wire isolation)	70 ±5 D
Wire-Ø incl. isolation	1.85 mm ±5%
Color/numbering of wires	br, bk, bl, wh
Stranding combination	4 wires twisted
Shield	no
Material (jacket)	PUR
Material property (jacket)	CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant
Shore hardness (jacket)	90 ±5 A
Outer-Ø (jacket)	6.5 mm ±5%
Color (jacket)	gray
chemical resistance	good resistance to oil, gasoline and chemicals (EN 60811-404)
thermal resistance	flame retardand UL 1581 Section 1090 (H), CSA FT2 / IEC 60332-2-2
Nominal voltage	300 V AC
Test voltage	2500 V AC
Current load capacity	to DIN VDE 0298-4
Temperature range (fixed)	-40...+80 °C, (+90 °C at max. 10 000 operating hours)
Temperature range (mobile)	-25...+80 °C, (+90 °C at max. 10 000 operating hours)
Bend radius (fixed)	5× outer Ø
Bend radius (moving)	10× outer Ø
No. of bending cycles (C-track)	max. 10 Mio. (25 °C)
Travel speed (C-track)	max. 3 m/s
Acceleration (C-track)	max. 10 m/s²
Torsion stress	±180°/m
No. of torsion cycles	max. 2 Mio. (25 °C)

Torsion speed	35 cycles/min
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Product article number of manufacturer	7999-12021-8620500
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Cable length	5 m
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