MURR ELEKTRONIK
stay connected

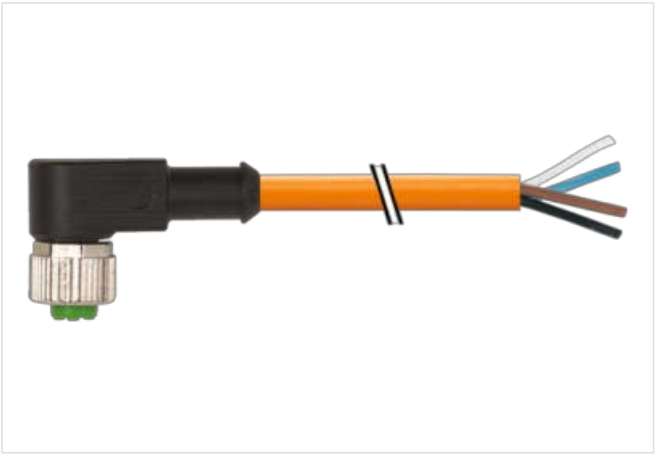
M12 female 90° A-cod. with cable

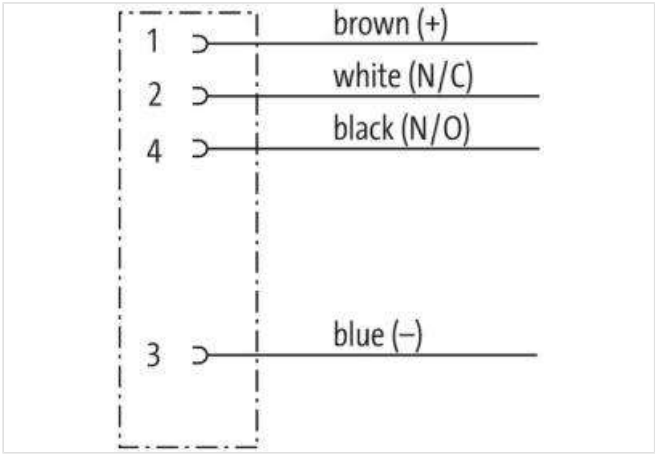
PUR 4x0.34 or UL/CSA+robot+drag ch. 5m

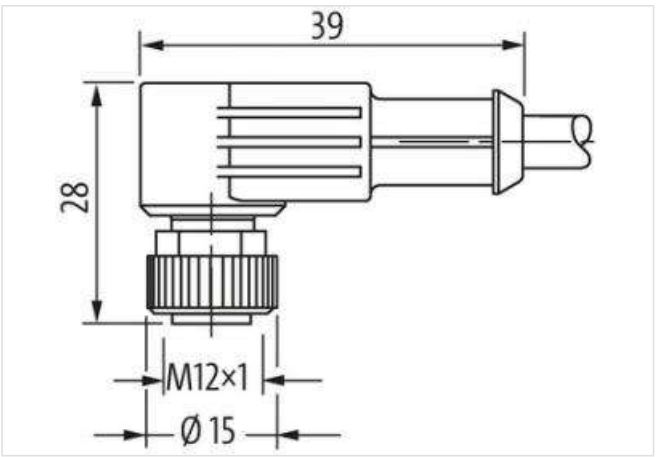
Female 90°
M12, 4-pole
Zinc die casting, save-cover coated
Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request
Plastic housings with good resistance against chemicals and oils.
The resistance to aggressive media should be individually tested for your application. Further details on request.
Further cable lengths on request.

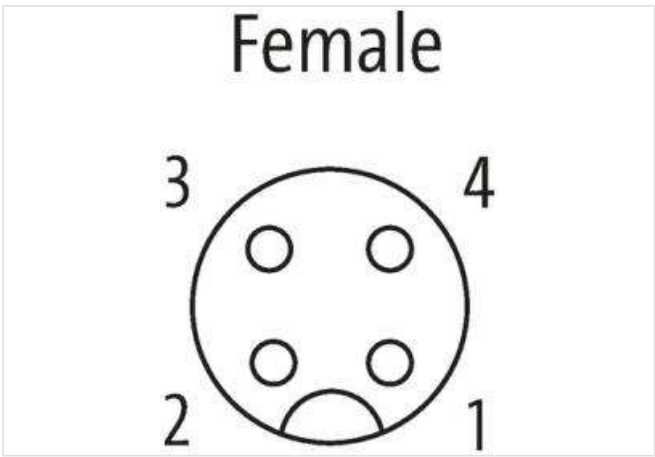
Link to Product

Illustration









Product may differ from Image

Cable length	5 m

Side 1

Tightening torque	0,6 Nm

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Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Material contact	Copper alloy
Material	PUR
No. of poles	4
Width across flats	SW13
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879517850
Packaging unit	1
Electrical data | Supply	
Operating voltage AC max.	250 V
Operating voltage DC max.	250 V
Installation | Connection	
Mounting set	M12 x 1
Device protection | Electrical	
Pollution Degree	3
Rated surge voltage	2,5 kV
Material group (IEC 60664-1)	I
Mechanical data | Material data	
Coating of fitting	nickel plated
Material screw connection	Zinc die-casting
Environmental characteristics | Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Cable	
Cable identification	846
Cable Type	5 (PUR schweißfunkenbeständig, VASS 6)
Approval (cable)	cURus (AWM-Style 20549/10493); CE-conform; VASS-6-conform, According to MgU-I-B09-41 (March 2021)
Cable weight [g/m]	36,3 g
Material wire	Cu wire, bare
Resistor (core)	max. 60 Ω/km (20 °C)
Single wire Ø (core)	0.1 mm
Construction (core)	42× 0.1 mm (multi-strand wire class 6)
Diameter (core)	4× 0.34 mm²
AWG	similar to AWG 22
Material wire isolation	PP
Material property wire insulation	CFC-, halogen-, cadmium-, silicone- and lead-free
Shore hardness wire isolation	74 ±3 D
Wire-Ø incl. isolation	1.25 mm ±5%
Color/numbering of wires	br, bk, bl, wh

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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-, microbial- and welding spark resistant
Shore hardness jacket	58 ±3 D
Outer-Ø (jacket)	4.8 mm ±5%
Color jacket	orange
chemical resistance	good resistance to oil, gasoline and chemicals (EN 60811-404)
thermal resistance	flame-retardant according to UL, FT2, IEC 60332-1, IEC 60332-2-2, MgU-I-B09-41 (VASS 6)
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. 3.3 m/s
Acceleration (C-track)	max. 5 m/s²
Torsion stress	±360°/m
No. of torsion cycles	max. 1 Mio. (25 °C)
Torsion speed	35 cycles/min

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