

M12 male 90° with cable

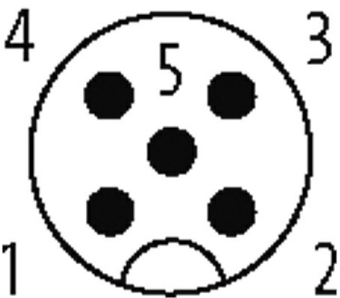
PUR 4x0.34+1x0.5 or UL/CSA+robot+drag ch. 2m

Male 90°
M12, 5-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.

Illustration



Male



Product may differ from Image

Approvals



* only for products with UL/CSA approved cable

cCSAus

EAC

Form

Form 12121

General data

Standards DIN EN 61076-2-101 (M12)
Pollution Degree 3
Temperature range -25...+85 °C, depending on cable quality

Cables

No./diameter of wires 4 x 0.34 + 1 x 0.5 mm²
Wire isolation PP (br, wh, bl, bk, gnye)

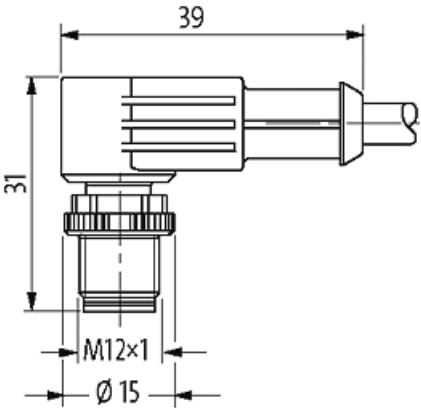
C-track properties	10 Mio.
Material (jacket)	PUR (UL/CSA), welding spark
Outer Ø	5.2 mm ±5%
Bend radius (moving)	10× outer Ø
Temperature range (fixed)	-40...+80 °C
Temperature range (mobile)	-25...+80 °C
Cable identification	852
Cable Type	5 (PUR schweißfunkenbeständig)
Approval (cable)	cURus (AWM-Style 20549/10493); CE conform
Cable weight [g/m]	46,20
Material (wire)	Cu wire, bare
Resistor (core)	max. 60 Ω/km (20 °C, 0.34 mm); max. 39 Ω/km (20 °C, 0.5 mm)
Single wire Ø (core)	0.1 mm (0.34 mm); 0.19 mm (0.5 mm)
Construction (core)	42× 0.1 mm (0.34 mm²); 28× 0.15 mm (0.5 mm²); (multi-strand wire class 6)
Diameter (core)	4× 0.34 + 1× 0.5 mm²
AWG	similar to AWG 22 (0.34 mm²); similar to AWG 20 (0.5 mm²)
Material (wire isolation)	PP
Material property (wire isolation)	CFC-, halogen-, cadmium-, silicone- and lead-free
Shore hardness (wire isolation)	74 ±3 D
Wire-Ø incl. isolation	1.25 mm ±5% (0.34 mm²); 1.4 mm ±5% (0.5 mm²)
Color/numbering of wires	br, bk, bl, wh, gnye longitudinally striped
Stranding combination	5 wires twisted around central filler
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)	5.2 mm ±5%
Color (jacket)	orange
chemical resistance	good resistance to oil, gasoline and chemicals (EN 60811-404)
thermal resistance	flame retardant UL, FT2, IEC 60332-1, IEC 60332-2-2, welding spark resistant
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)
Traversing distance (C-track)	max. 5 m (horizontal)
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
Jacket Color	orange
Technical Data	
Operating voltage	max. 125 V AC/DC
Operating voltage (only UL listed)	max. 30 V AC/DC
Rated surge voltage	1.5 kV
Operating current per contact	max. 4 A

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
Compression gland	M12 (SW13)
Protection	IP65, IP66K, IP67 inserted and tightened (EN 60529)
Material	PUR
suitable for corrugated tube (internal Ø)	10 mm
Locking material	Zinc die casting, save-cover coated

Commercial data

country of origin	CZ
customs tariff number	85444290
EAN	4048879562959
eClass	27279218
Packaging unit	1

Sketch



1	■	brown (+)
2	■	white (N/C)
4	■	black (N/O)
3	■	blue (-)
5	■	gn/ye (gray*)

(* for cable type 126, 732, 219, 619)

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