

**M12 male 0° / M8 female 90° A-cod.**

PUR 3x0.25 bk UL/CSA+robot+drag ch. 3.5m

Zinc die casting, save-cover coated

Male straight – female 90°

M12 – M8, 3-pole

Art-No. 7005 - M12/M8 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**

Male



Female





Product may differ from Image



\* only for products with UL/CSA approved cable

**Form**

Form 40601

**Technical Data**

Operating voltage	max. 50 V AC/60 V DC
Operating voltage (only UL listed)	max. 30 V AC/DC
Rated surge voltage	1.5 kV
Operating current per contact	max. 4 A
No. of poles	3
Material group	IEC 60664-1, category I
Coding	A-coded
Locking of ports	Screw thread (M8/M12×1 mm) recommended torque 0.4/0.6 Nm, self-securing
Compression gland	M8 (SW9), M12 (SW13)
Protection	IP67 inserted and tightened (EN 60529)
Material	PUR
Locking material	Zinc die casting, matte nickel plated
suitable for corrugated tube (internal Ø)	M12 (10 mm); M8 (6.5 mm)

**General data**

Standards	DIN EN 61076-2-101 (M12), DIN EN 61076-2-104 (M8)
Mounting method	inserted, tightened
Material (contact surface)	Au
Material (gasket)	FKM
Pollution Degree	3
Temperature range	-25...+85 °C, depending on cable quality
Material (housing surface)	Copper alloy

**Cables**

No./diameter of wires	3× 0.25 mm <sup>2</sup>
Wire isolation	PP (br, bl, bk)
C-track properties	10 Mio.
Outer Ø	4.3 mm ±5%
Cable identification	650
Cable Type	5 (PUR schweißfunkenbeständig)
Approval (cable)	cURus (AWM-Style 20549/10493); CE conform

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Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 03/22

Cable weight [g/m]	26,4 g
Material (wire)	Cu wire, bare
Resistor (core)	max. 79 $\Omega$ /km (20 °C)
Single wire $\varnothing$ (core)	0.1 mm
Construction (core)	32x 0.1 mm (multi-strand wire class 6)
Diameter (core)	3x 0.25 mm <sup>2</sup>
AWG	similar to AWG 24
Material (wire isolation)	PP
Material property (wire isolation)	CFC-, halogen-, cadmium-, silicone- and lead-free
Shore hardness (wire isolation)	74 $\pm$ 3 D
Wire- $\varnothing$ incl. isolation	1.25 mm $\pm$ 5%
Color/numbering of wires	br, bk, bl
Stranding combination	3 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 $\pm$ 3 D
Outer- $\varnothing$ (jacket)	4.3 mm $\pm$ 5%
Color (jacket)	black
Jacket Color	black
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
Temperature range (fixed)	-40...+80 °C, (+90 °C at max. 10 000 operating hours)
Temperature range (mobile)	-25...+80 °C
Temperature range (mobile)	-25...+80 °C, (+90 °C at max. 10 000 operating hours)
Bend radius (fixed)	5x outer $\varnothing$
Bend radius (moving)	10x outer $\varnothing$
Bend radius (moving)	10x outer $\varnothing$
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/s <sup>2</sup>
Torsion stress	$\pm$ 360°/m
No. of torsion cycles	max. 1 Mio. (25 °C)
Torsion speed	35 cycles/min
Material (jacket)	PUR (UL/CSA), welding spark
<b>Commercial data</b>	
country of origin	DE
customs tariff number	85444290
EAN	4048879315494
eClass	27279218
Packaging unit	1.000