

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

PUR 4x0.25 bk UL/CSA+drag ch. 7.5m

Male straight – female 90°

M12 – M8, 4-pole

2x LED (PNP), (NPN) on request

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**

Male

Female



Product may differ from Image



\* only for products with UL/CSA approved cable

**Form**

Form

40651

**Technical Data**

Operating voltage	24 V DC $\pm 25\%$
Operating voltage (only UL listed)	max. 30 V DC
Rated surge voltage	0.8 kV
Operating current per contact	max. 4 A
Material group	IEC 60664-1, category I
Coding	A-coded
LED display	(yellow/green)
Locking of ports	Screw thread (M8/M12 $\times$ 1 mm) recommended torque 0.4/0.6 Nm, self-securing
Compression gland	M8 (SW9), M12 (SW13)
Protection	IP66K, IP67 inserted and tightened (EN 60529)
Material	PUR
Locking material	Zinc die casting, matte nickel plated
suitable for corrugated tube (internal $\varnothing$ )	M12 (10 mm); M8 (6.5 mm)

#### General data

Standards	DIN EN 61076-2-101 (M12), DIN EN 61076-2-104 (M8)
Pollution Degree	3
Temperature range	-25...+80 °C, depending on cable quality

#### Cables

No./diameter of wires	4 $\times$ 0.25 mm <sup>2</sup>
C-track properties	10 Mio.
Material (jacket)	PUR (UL/CSA)
Wire isolation	PP (br, wh, bl, bk)
Outer $\varnothing$	4.5 mm $\pm 5\%$
Bend radius (moving)	10 $\times$ outer $\varnothing$
Temperature range (fixed)	-40...+80 °C
Temperature range (mobile)	-25...+80 °C
Cable identification	631
Cable Type	3 (PUR)
Approval (cable)	cURus (AWM-Style 20549/10493); CE conform
Cable weight [g/m]	33,00
Material (wire)	Cu wire, bare
Resistor (core)	max. 79 $\Omega$ /km (20 °C)
Single wire $\varnothing$ (core)	0.1 mm
Construction (core)	32 $\times$ 0.1 mm (multi-strand wire class 6)
Diameter (core)	4 $\times$ 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)	70 $\pm 5$ D
Wire- $\varnothing$ incl. isolation	1.25 mm $\pm 5\%$
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 $\pm 5$ A
Outer- $\varnothing$ (jacket)	4.5 mm $\pm 5\%$
Color (jacket)	black
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

The information in this brochure has been compiled with the utmost care.

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

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/s <sup>2</sup>
Torsion stress	±180°/m
No. of torsion cycles	max. 2 Mio. (25 °C)
Torsion speed	35 cycles/min
Jacket Color	black

**Commercial data**

country of origin	DE
customs tariff number	85444290
EAN	4048879810333
eClass	27279218
Packaging unit	1