

M12 MALE 0° / M12 FEMALE 90° 8 POLE

PUR 8x0,25 GRAY, UL/CSA, drag ch 3m

Male straight – female 90°

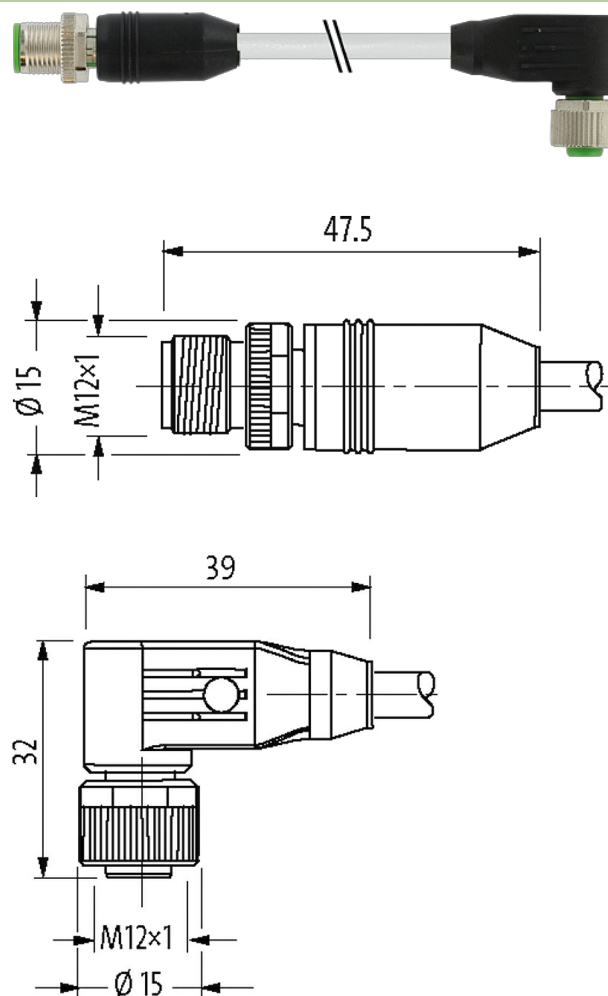
M12 – M12, 8-pole

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

Approvals

* only for products with UL/CSA approved cable

Form

Form

48011

General data	
Standards	DIN EN 61076-2-101 (M12)
Pollution Degree	3
Temperature range	-25...+80 °C, depending on cable quality
Cables	
No./diameter of wires	8 × 0.25 mm ²
Wire isolation	PP (br, wh, bl, bk, gr, pk, vi, or)
C-track properties	5 Mio.
Material (jacket)	PUR (UL/CSA)
Outer Ø	6.0 mm ±5%
Bend radius (moving)	10 × outer Ø
Temperature range (fixed)	-40...+80 °C
Temperature range (mobile)	-25...+80 °C
Cable identification	295
Cable Type	3 (PUR)
Approval (cable)	cURus (AWM-Style 20549/10493); CE conform
Cable weight [g/m]	55,00
Material (wire)	Cu wire, bare
Resistor (core)	max. 79 Ω/km (20 °C)
Single wire Ø (core)	0.1 mm
Construction (core)	32 × 0.1 mm (multi-strand wire class 6)
Diameter (core)	8 × 0.25 mm ²
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 ±5 D
Wire-Ø incl. isolation	1.2 mm ±5%
Color/numbering of wires	br, or, vi, pk, gr, bk, bl, wh
Stranding combination	8 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 and microbial resistant
Shore hardness (jacket)	90 ±5 A
Outer-Ø (jacket)	5.8 mm ±5%
Color (jacket)	gray
chemical resistance	good resistance to oil, gasoline and chemicals (EN 60811-404)
thermal resistance	flame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, 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/s ²
Torsion stress	±180 °/m

No. of torsion cycles	max. 2 Mio. (25 °C)
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Torsion speed	35 cycles/min
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Jacket Color	gray
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Technical Data

Operating voltage	max. 30 V AC/DC
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Operating voltage (only UL listed)	max. 30 V AC/DC
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Rated surge voltage	0.8 kV
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Operating current per contact	max. 2 A
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Material group	IEC 60664-1, category I
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Coding	A-coded
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Locking of ports	Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing
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Compression gland	M12 (SW13)
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Protection	IP65, IP66K, IP67
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Locking material	Zinc die casting, matte nickel plated
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Material	PUR
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Commercial data

country of origin	DE
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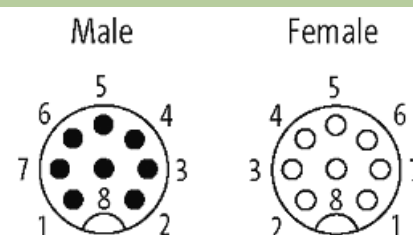
customs tariff number	85444290
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EAN	4048879378352
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eClass	27279218
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Packaging unit	1
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Sketch



Product may differ from Image