

M12 male 0° / M12 female 0° A-cod.

PUR 12x0.25 gy UL/CSA+robot+drag ch. 3m

Male straight – female straight

M12 – M12, 12-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



1	■	brown	↔	C 1
2	■	blue	↔	C 2
3	■	white	↔	C 3
4	■	green	↔	C 4
5	■	pink	↔	C 5
6	■	yellow	↔	C 6
7	■	black	↔	C 7
8	■	gray	↔	C 8
9	■	red	↔	C 9
10	■	violet	↔	C 10
11	■	gray/pink	↔	C 11
12	■	red/blue	↔	C 12

Male



Female



Product may differ from image

* only for products with UL/CSA approved cable

Form

Form

53001

Technical Data

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Operating voltage	max. 30 V AC/DC
Rated surge voltage	0.8 kV
Operating current per contact	max. 1.5 A
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)
Locking material	Zinc die casting, matte nickel plated

General data

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

Cables

No./diameter of wires	12× 0.25 mm ²
Wire isolation	PP (br, bl, wh, gn, pk, ye, bk, gr, rd, vi, grpk, rdbl)
C-track properties	5 Mio.
Material (jacket)	PUR (UL/CSA), welding spark
Outer Ø	6.9 mm ±5%
Bend radius (moving)	10× outer Ø
Temperature range (fixed)	-40...+80 °C
Temperature range (mobile)	-25...+80 °C
Cable identification	302
Cable Type	5 (PUR schweißfunkenbeständig)
Approval (cable)	cURus (AWM-Style 20549/10493); CE conform
Cable weight [g/m]	71,50
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)	12× 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)	74 ±3 D
Wire-Ø incl. isolation	1.25 mm ±5%
Color/numbering of wires	br, rd, gr, bk, ye, pk, gn, wh, bl, rdbl, grpk, vi
Stranding combination	Twisted wires rdbl, grpk and vi, over it all other wires are 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)	6.9 mm ±5%
Color (jacket)	gray
chemical resistance	good resistance to oil, gasoline and chemicals (VDE 0472 Teil 803 Test B)
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. 5 Mio. (25 °C)
Traversing distance (C-track)	max. 5 m (horizontal)
Travel speed (C-track)	max. 3.3 m/s

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Acceleration (C-track)	max. 5 m/s ²
Torsion stress	±180°/m
No. of torsion cycles	max. 1 Mio. (25 °C)
Torsion speed	35 cycles/min
Jacket Color	gray
Commercial data	
country of origin	DE
customs tariff number	85444290
EAN	4048879354974
eClass	27279218
Packaging unit	1