

M12 male 0° / M8 female 90° A-cod.

PVC 3x0.25 bk UL/CSA 20m

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 ²
Wire isolation	PVC (br, bl, bk)
Outer Ø	4.5 mm ±5%
Cable identification	610
Cable Type	1 (PVC)
Approval (cable)	UL (AWM-Style 2464/1731), CSA
Cable weight [g/m]	29,37 g

Material (wire)	Cu wire, bare
Resistor (core)	max. 79 Ω /km (20 °C)
Single wire \varnothing (core)	0.15 mm
Construction (core)	14x 0.15 mm (multi-strand wire class 5)
Diameter (core)	3x 0.25 mm ²
AWG	similar to AWG 24
Material (wire isolation)	PVC
Material property (wire isolation)	CFC-, cadmium-, silicone- and lead-free
Shore hardness (wire isolation)	45 \pm 5 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)	PVC
Material property (jacket)	CFC-, cadmium-, silicone- and lead-free
Shore hardness (jacket)	85 \pm 5 A
Outer- \varnothing (jacket)	4.5 mm \pm 5%
Color (jacket)	black
Jacket Color	black
chemical resistance	good resistance to oil, gasoline and chemicals
thermal resistance	flame retardant UL 1581 VW1 / CSA FT1
Nominal voltage	UL 300 V AC
Test voltage	2000 V AC
Current load capacity	to DIN VDE 0298-4
Temperature range (fixed)	-30...+80 °C
Temperature range (fixed)	-30...+80 °C
Temperature range (mobile)	-5...+80 °C
Temperature range (mobile)	-5...+80 °C
Bend radius (fixed)	5x outer \varnothing
Bend radius (moving)	10x outer \varnothing
Bend radius (moving)	10x outer \varnothing
Material (jacket)	PVC (UL/CSA)

Commercial data

country of origin	DE
customs tariff number	85444290
EAN	4048879593342
eClass	27279218
Packaging unit	1.000