

**M12 female 0° with cable**

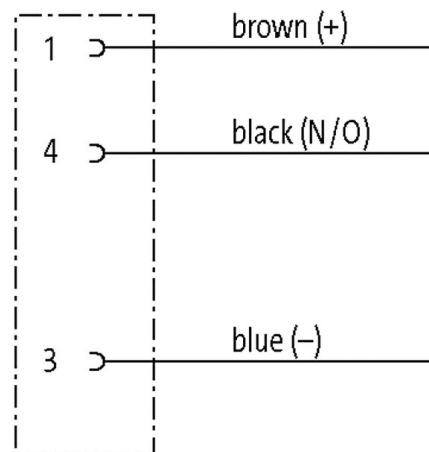
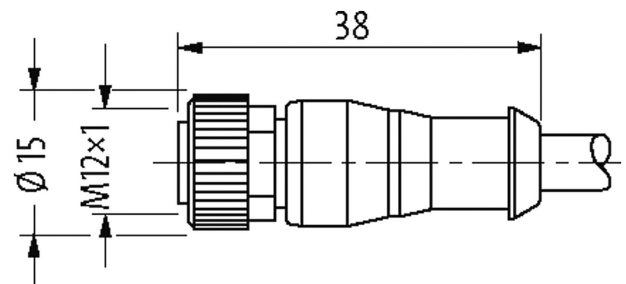
PUR 3x0.34 bk UL/CSA 50m

Female straight

M12, 3-pole

Art-No. 7005 - M12 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.**Illustration**

Product may differ from Image

**Approvals**

\* only for products with UL/CSA approved cable

cCSAus

EAC

**Form**

Form

12181

**General data**

Standards

DIN EN 61076-2-101 (M12)

Pollution Degree	3
Mounting method	inserted, tightened
Stripping length (jacket)	20 mm
Temperature range	-25...+85 °C, depending on cable quality

### Cables

No./diameter of wires	3 × 0.34 mm <sup>2</sup>
Wire isolation	PVC (br, bl, bk)
C-track properties	2 Mio.
Material (jacket)	PUR/PVC (UL/CSA)
Outer Ø	4.9 mm ±5%
Bend radius (moving)	15 × outer Ø
Temperature range (fixed)	-30...+80 °C
Temperature range (mobile)	-5...+80 °C
Cable identification	623
Cable Type	2 (PUR/PVC)
Approval (cable)	UL (AWM-Style 20549/1731), CSA; CE conform
Cable weight [g/m]	35,97
Material (wire)	Cu wire, bare
Resistor (core)	max. 57 Ω/km (20 °C)
Single wire Ø (core)	0.1 mm
Construction (core)	42 × 0.1 mm (multi-strand wire class 6)
Diameter (core)	3 × 0.34 mm <sup>2</sup>
AWG	similar to AWG 22
Material (wire isolation)	PVC
Material property (wire isolation)	CFC-, cadmium-, silicone- and lead-free
Shore hardness (wire isolation)	43 ±5 D
Wire-Ø incl. isolation	1.25 mm ±5%
Color/numbering of wires	black similar to RAL 9005
Stranding combination	3 wires twisted
Shield	no
Material (jacket)	PUR/PVC
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)	80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)
Outer-Ø (jacket)	4.9 mm ±5%
Color (jacket)	black
chemical resistance	good resistance to oil, gasoline and chemicals
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 (mobile)	-5...+80 °C
Bend radius (fixed)	10 × outer Ø
Bend radius (moving)	15 × outer Ø
No. of bending cycles (C-track)	max. 2 Mio. (25 °C)
Traversing distance (C-track)	max. 5 m (horizontal)
Travel speed (C-track)	max. 3.3 m/s
Acceleration (C-track)	max. 5 m/s <sup>2</sup>
Jacket Color	black

### Technical Data

Operating voltage	max. 250 V AC/DC
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*stay connected*

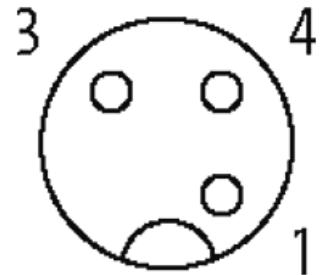
Operating voltage (only UL listed)	max. 30 V AC/DC
Operating current per contact	max. 4 A
Rated surge voltage	2.5 kV
Material group	IEC 60664-1, category I
No. of poles	3
Coding	A-coded
Locking of ports	Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing
Compression gland	M12 (SW13)
Protection	IP65, IP66K, IP67 inserted and tightened (EN 60529)
Locking material	Zinc die casting, matte nickel plated
Material	PUR
suitable for corrugated tube (internal Ø)	10 mm

**Commercial data**

country of origin	DE
customs tariff number	85444290
EAN	4048879213523
eClass	27279218
Packaging unit	1

**Sketch**

Female



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