

M12 male 90° / M12 female 90° A-cod.

PUR 3x0.34 ye UL/CSA+drag ch. 2.5m

Male 90° – female 90°

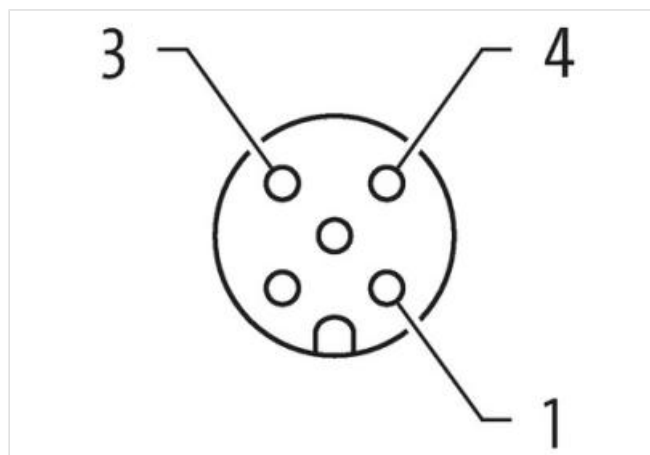
M12 – M12, 3-pole

Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request
with cable sleeves

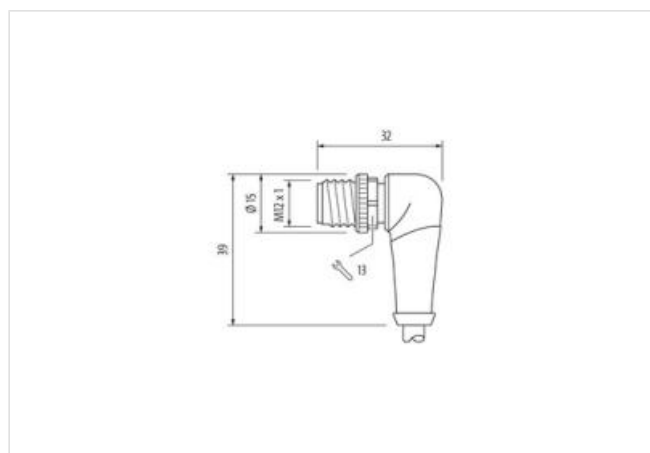
Plastic housings with good resistance against chemicals and oils.

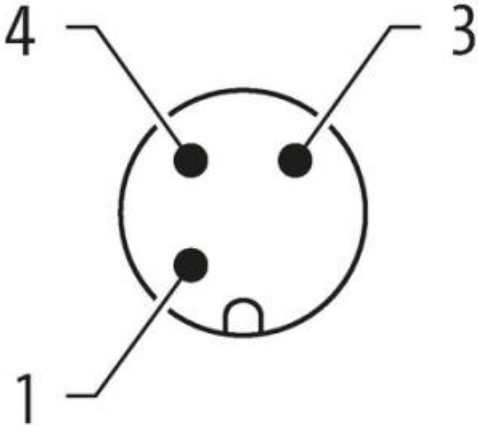
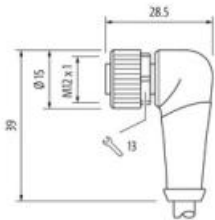
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

[Link to Product](#)**Illustration**

1	BN	1
		2
3	BU	3
4	BK	4





Product may differ from Image



Cable length	2,5 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
Material	PUR
No. of poles	3
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
Material	PUR
No. of poles	3
Width across flats	SW13
取引条件	
ECLASS-6.0	27061801
HSコード	85444290
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	250 V
Operating voltage DC max.	250 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A

Diagnostics

Status indication LEDno

Installation | Connection

Mounting setM12 x 1

Device protection | Electrical

Additional condition protection degreeinserted, screwed

Pollution Degree3

Rated surge voltage2,5 kV

Material group (IEC 60664-1)I

Mechanical data | Material data

Coating lockingNickeled

Coating of fittingnickel plated

Locking materialZinc die-casting

Material screw connectionZinc die-casting

Mechanical data | Mounting data

Mounting methodinserted, screwed, Shaking protection

Environmental characteristics | Climatic

Operating temperature min.-25 °C

Operating temperature max.85 °C

Additional condition temperature rangedepending on cable quality

Important installation notes

Note on strain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.

Note on bending radius**Attention:** Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.

Conformity

Product standardDIN EN 61076-2-101 (M12)

Installation | Cable

wire arrangementbrown, black, blue

Cable identification033

Cable Type3

Jacket Coloryellow

Type of CertificatecURus

Amount stranding1

Stranding3 wires twisted

wire arrangementbrown, black, blue

Cable weighth29,7 g/m

Material jacketPUR

Shore hardness jacket90 ± 5 Shore A

Freedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-free

Outer-diameter (jacket)4,1 mm

Tolerance outer diameter (sheath)± 5 %

Material wire insulationPP

Amount wires3

Outer diameter insulation1,25 mm

Outer diameter tolerance core insulation± 5 %

Shore hardness wire insulation70 ± 5 Shore D

Ingredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-free

Amount strands (wire)42

Diameter of single wires0,1 mm

Conductor crossection (wire)0,34 mm²

Material conductor wireStranded copper wire, bare

Conductor type (wire)	strand class 6
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	6 A
Electrical resistance line constant wire	57 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2,5 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Flame resistance	UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	10 m @ 25 °C horizontal
Travel speed (C-track)	3 m/s @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min