

M8 male 0° / M12 female 90° A-cod.

PUR 4x0.25 bk UL/CSA+drag ch. 2m

Male straight – female 90°

M8 – M12, 4-pole

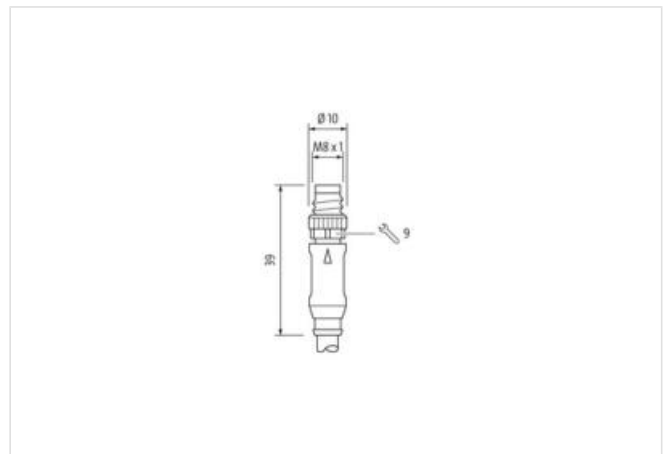
M12, A-coded

Art-No. 7005 - M12/M8 Lite - (plastic hexagonal screw) on request

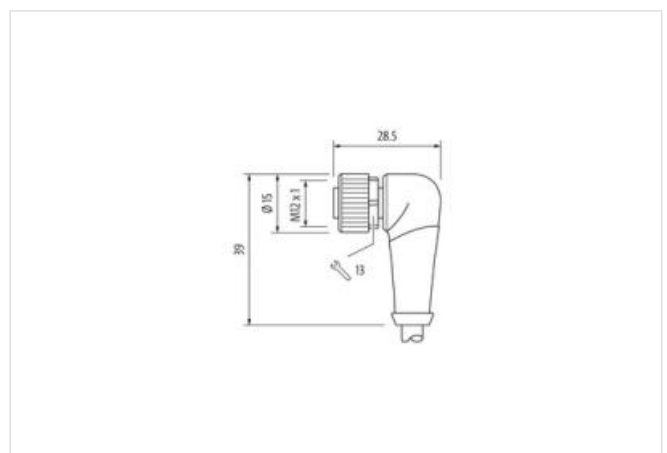
Further cable lengths on request.

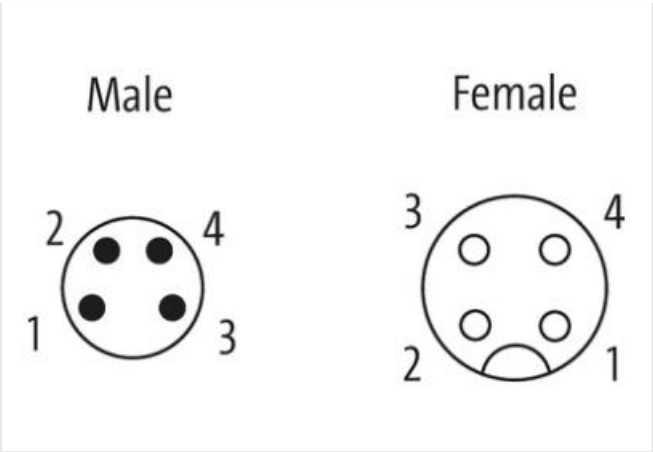
Plastic housings with good resistance against chemicals and oils.

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

[Link til produkt](#)**Illustrasjon**

1	BN	↔	1
2	WH	↔	2
3	BU	↔	3
4	BK	↔	4





Produktet kan avvike fra bildet



Cable length	2 m
Side 1	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal Ø)	6,5 mm
Coding	A
Material contact	Copper alloy
No. of poles	4
Width across flats	SW9
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
Material contact	Copper alloy
No. of poles	4
Width across flats	SW13
Handelsinformasjon	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855

GTIN 4048879334914

Pakkestørrelse 1
Tolltariffnummer 85444290

Electrical data | Supply

Operating voltage AC 50 V
Operating voltage DC 60 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 LED no

Device protection | Electrical

Degree of protection (EN IEC 60529) IP65, IP67, IP68, IP66K
Additional condition protection degree inserted, screwed
Pollution Degree 3
Rated surge voltage 1,5 kV
Material group (IEC 60664-1) I

Mechanical data | Material data

Coating locking Nickeled
Material gasket FKM
Material housing PUR
Locking material Zinc die-casting

Mechanical data | Mounting data

Mounting method inserted, screwed, Shaking protection

Environmental characteristics | Climatic

Operating temperature min. -25 °C
Operating temperature max. 85 °C
Additional condition temperature range depending on cable quality

Important installation notes

Note on strain relief Protect 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 standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)

Installation | Cable

wire arrangement brown, black, blue, white
Cable identification 631
Cable Type 3
Jacket Color black
Type of Certificate cURus
Amount stranding 1
Stranding 4 wires twisted
wire arrangement brown, black, blue, white
Cable weight 33 g/m
Material jacket PUR
Shore hardness jacket 90 ± 5 Shore A
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket) 4,5 mm
Tolerance outer diameter (sheath) ± 5 %
Material wire insulation PP
Amount wires 4

Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	70 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	32
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,25 mm ²
Material conductor wire	Stranded 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	3,6 A
Electrical resistance line constant wire	79 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
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2
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