

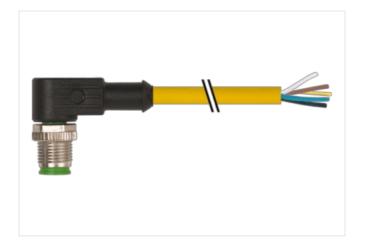
## M12 male 90° A-cod. with cable

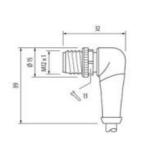
PUR 5x0.34 ye UL/CSA+robot+drag ch. 5m

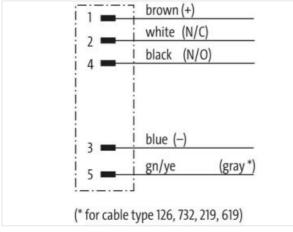
Male 90° M12, 5-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

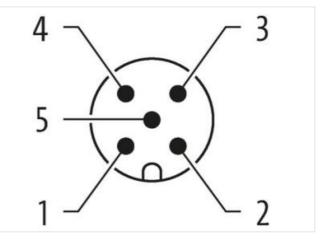
## Link to Product

Illustration









Product may differ from Image



Cable length

Side 1

Tightening torque

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5 m

0,6 Nm



Family construction form  Thread  Suitable for corrugated tube (internal Ø)  Coding  Material  Width across flats Degree of protection (EN IEC 60529)  Commercial data  ECLASS-6.0  ECLASS-6.0  ECLASS-7.0  ECLASS-9.0  ECLASS-9.0  ECLASS-10.1  ECLASS-10.1  ECLASS-11.1  ECLASS-12.0  ETIM-5.0  Sustoms tariff number GTIN	M12         M12 x 1         10 mm         A         PUR         SW13         IP65, IP66K, IP67         27279218         27279218         27279218         27060311         27060311         27060311         27060311         27060311         27060311         27060312         1
uitable for corrugated tube (internal Ø) Coding Material Vidth across flats Degree of protection (EN IEC 60529) Commercial data CCLASS-6.0 CCLASS-7.0 CCLASS-7.0 CCLASS-8.0 CCLASS-9.0 CCLASS-9.0 CCLASS-9.0 CCLASS-10.1 CCLASS-11.1 CCLASS-11.1 CCLASS-12.0 CTIM-5.0 ustoms tariff number	10 mm         A         PUR         SW13         IP65, IP66K, IP67         27279218         27279218         27279218         27060311         27060311         27060311         27060311         27060311         27060311         27060312         27060313         27060314         27060315         85444290         4048879419826
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	4048879419826
GTIN	
	1
Packaging unit	
Electrical data   Supply	
Dperating voltage AC max.	125 V
Dperating voltage DC max.	125 V
Deperating voltage AC (UL-listed)	30 V
Derating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Installation   Connection	
	M12 x 1
Aounting set	
Device protection   Electrical	
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	safe-cover coated
Coating of fitting	nickel plated
ocking material	Zinc die-casting
Aaterial screw connection	Zinc die-casting
Mechanical data   Mounting data	
Nounting method	inserted, screwed, Shaking protection
-	
Environmental characteristics   Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
dditional condition temperature range	depending on cable quality
Important installation notes	
lote on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
lote 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)

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wire arrangement	brown, black, blue, white, green-yellow
Cable identification	055
Cable Type	5
Jacket Color	yellow
Type of Certificate	cURus
Amount stranding	1
Stranding	5 wires around Core filler twisted
Filler	yes
wire arrangement	brown, black, blue, white, green-yellow
Cable weigth	41,8 g/m
Material jacket	PUR
Shore hardness jacket	58 ± 3 Shore D
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	5 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PP
Amount wires	5
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	74 ± 3 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	42
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,34 mm <sup>2</sup>
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	4,5 A
Electrical resistance line constant wire	60 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	DIN EN 60811-404   Good, application-related testing
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)	5 m @ 25 °C   horizontal
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	1 Mio.
Torsion stress	± 360 °/m
Torsion speed	35 cycles/min

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