

**Y-Distributor M12 male / M12 female 90° A-cod.**

PUR 3x0.34 bk UL/CSA+robot+drag ch. 1.5m

Y-connector M12 – M12, 4-pole

Male straight – females 90°

bridged

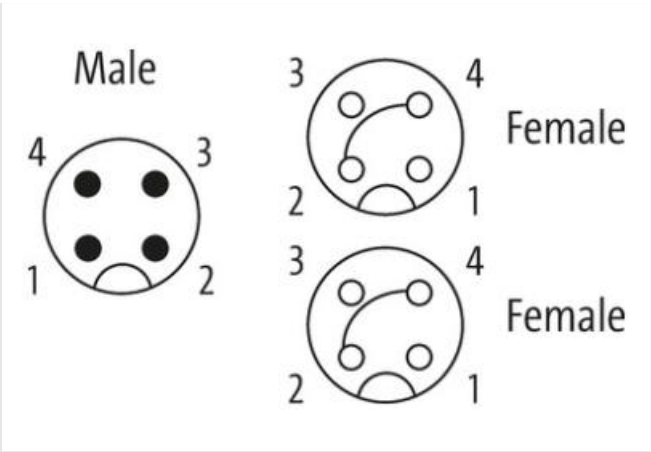
Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

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.

Further cable lengths on request.

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



Product may differ from Image



Cable length	1,5 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
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
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 3	
Family construction form	M12
Coding	A
Commercial data	
ECLASS-6.0	27061801
customs tariff number	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

#### Installation | Connection

Mounting set M12 x 1

#### Device protection | Electrical

Additional condition protection degree inserted, screwed  
 Pollution Degree 3  
 Rated surge voltage 2,5 kV  
 Material group (IEC 60664-1) I

#### Mechanical data | Material data

Coating locking safe-cover coated  
 Coating of fitting nickel plated  
 Material gasket FKM  
 Locking material Zinc die-casting  
 Material screw connection 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)

#### Installation | Cable

Cable identification 653  
 Cable Type 5  
 Jacket Color black  
 Type of Certificate cURus  
 Amount stranding 1  
 Stranding 3 wires twisted  
 wire arrangement brown, black, blue  
 Cable weight 29,7 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) 4,3 mm  
 Tolerance outer diameter (sheath) ± 5 %  
 Material wire insulation PP  
 Amount wires 3  
 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 mm²  
 Material conductor wire Stranded copper wire, bare  
 Conductor type (wire) strand class 6

Traversing distance (C-track)	5 m @ 25 °C   horizontal
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	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
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	IEC 60332-2-2   UL 1581 § 1090   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
Travel speed (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	1 Mio.
Torsion stress	± 360 °/m
Torsion speed	35 cycles/min