

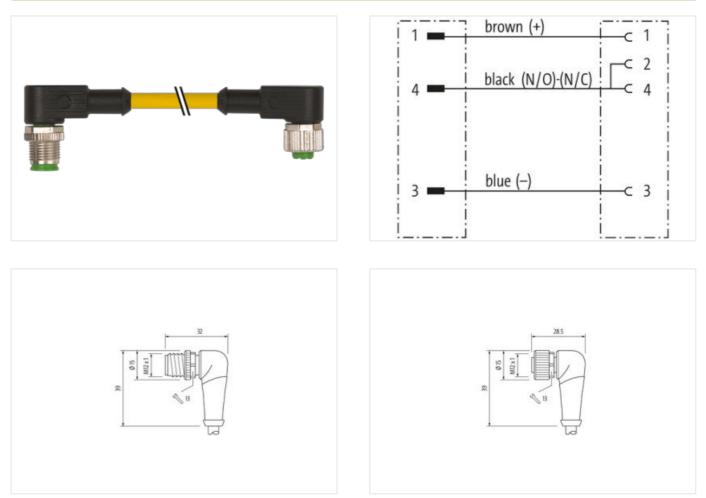
## M12 male 90° / M12 female 90° A-cod.

PUR 3x0.34 ye UL/CSA+robot+drag ch. 0.3m

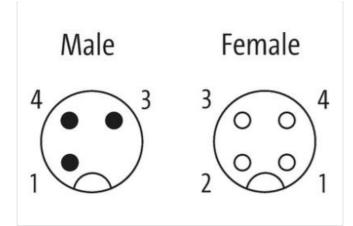
Male 90° – female 90° M12 – M12, 3-pole bridged Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product









Product may differ from Image



de 1           Intening torque         0,6 Nm           unting method         inserted, screwed           mily construction form         M12           read         M12 x 1           table for corrugated tube (internal Ø)         10 mm           ding         A           terial         PUR           dth across flats         SW13           gree of protection (EN IEC 60529)         IP66K, IP67           de 2            Unting method         inserted, screwed           mily construction form         M12           table for corrugated tube (internal Ø)         10 mm           gree of protection (EN IEC 60529)         IP66K, IP67           de 2             table for corrugated tube (internal Ø)         10 mm           ing gree of protection form         M12 x 1           table for corrugated tube (internal Ø)         10 mm           ding         A           terial         PUR           dth across flats         SW13           gree of protection (EN IEC 60529)         IP66K, IP67           ommercial data         PUR           dth across flats         SW13           gree of protection (EN IEC 60529)		
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PUR           dth across flats         SW13           gree of protection (EN IEC 60529)         IP66K, IP67           de 2	suitable for corrugated tube (internal Ø)	10 mm
Answer     SW13       gree of protection (EN IEC 60529)     IP66K, IP67       ide 2	Coding	A
gree of protection (EN IEC 60529)       IP66K, IP67         ide 2	Material	PUR
ide 2       0,6 Nm         httening torque       0,6 Nm         nunting method       inserted, screwed         mily construction form       M12         read       M12 x 1         table for corrugated tube (internal Ø)       10 mm         ding       A         terial       PUR         dth across flats       SW13         gree of protection (EN IEC 60529)       IP66K, IP67         ommercial data         FLASS-6.0       27061801         stoms tariff number       85444290         ckaging unit       1	Width across flats	SW13
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read     M12 x 1       table for corrugated tube (internal Ø)     10 mm       ding     A       tterial     PUR       dth across flats     SW13       gree of protection (EN IEC 60529)     IP66K, IP67       onmercial data       ELASS-6.0     27061801       storns tariff number     85444290       ckaging unit     1	Mounting method	inserted, screwed
table for corrugated tube (internal Ø)       10 mm         ding       A         tterial       PUR         dth across flats       SW13         gree of protection (EN IEC 60529)       IP66K, IP67         ommercial data         ELASS-6.0       27061801         storns tariff number       85444290         ckaging unit       1	Family construction form	M12
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dth across flats     SW13       gree of protection (EN IEC 60529)     IP66K, IP67       ommercial data       cLASS-6.0       stoms tariff number     85444290       ckaging unit     1	Coding	A
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ELASS-6.0 27061801 stoms tariff number 8544290 ckaging unit 1 Iectrical data   Supply	Degree of protection (EN IEC 60529)	IP66K, IP67
stoms tariff number     85444290       ckaging unit     1	Commercial data	
ckaging unit 1 lectrical data   Supply	ECLASS-6.0	27061801
lectrical data   Supply	customs tariff number	85444290
	Packaging unit	1
erating voltage AC max. 250 V	Electrical data   Supply	
	Operating voltage AC max.	250 V
erating voltage DC max. 250 V	Operating voltage DC max.	250 V
erating voltage AC (UL-listed) 30 V	Operating voltage AC (UL-listed)	30 V
erating voltage DC (UL-listed) 30 V	Operating voltage DC (UL-listed)	30 V
rrent operating per contact max. 4 A	Current operating per contact max.	4 A
stallation   Connection	Installation   Connection	

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Mounting set	M12 x 1
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Material group (IEC 60664-1)	
Mechanical data   Material data	
Coating locking	safe-cover coated
Coating of fitting	nickel plated
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. Operating temperature max.	-25 °C 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	053
Cable Type	5
Jacket Color	yellow
Type of Certificate	cURus
Amount stranding	1
Stranding	3 wires twisted
wire arrangement	brown, black, blue
Cable weigth	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
ouncill load capacity (standard)	

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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   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
Travel speed (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	1 Mio.
Torsion stress	± 360 °/m
Torsion speed	35 cycles/min

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