

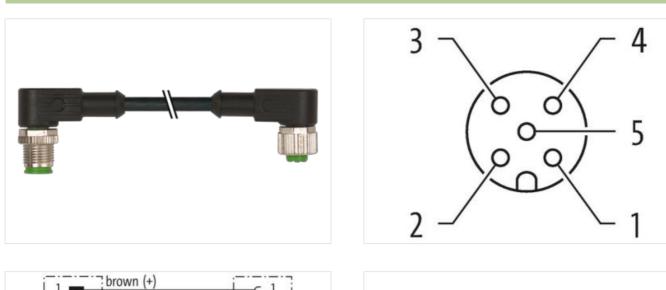
## M12 male 90° / M12 female 90° A-cod.

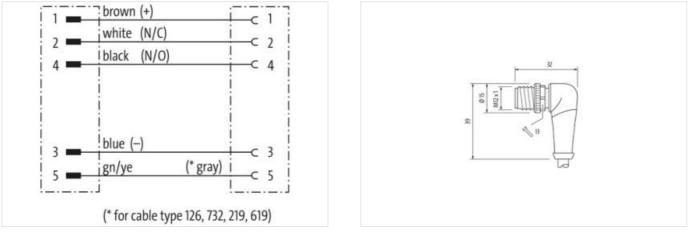
PUR 5x0.34 bk UL/CSA+drag ch. 20m

Male 90° – female 90° M12 – M12, 5-pole 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

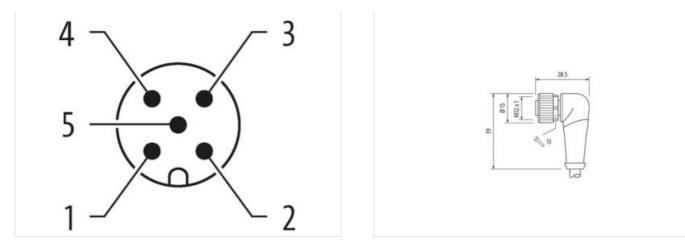




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Product may differ from Image



Cable length	20 m
Cable length	20 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 $\emptyset$ )	10 mm
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	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 $\emptyset$ )	10 mm
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP66K, IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879702744
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	125 V

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Operating voltage DC max	125 V
Operating voltage DC max.	30 V
Operating voltage AC (UL-listed)	
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
Material group (IEC 60664-1)	I
Mechanical data   Material data	
Coating locking	Nickeled
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	
·	-25 °C
Operating temperature min. Operating temperature max.	-25 °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.
Installation   Cable	
wire arrangement	brown, black, blue, white, green-yellow
Cable identification	635
Cable Type	3
Jacket Color	black
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	90 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	4,8 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	± 5 % 70 ± 5 Shore D
Shore hardness wire insulation Ingredient freeness wire insulation	± 5 % 70 ± 5 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire)	± 5 % 70 ± 5 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 42
Shore hardness wire insulation   Ingredient freeness wire insulation   Amount strands (wire)   Diameter of single wires	± 5 % 70 ± 5 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 42 0,1 mm
Shore hardness wire insulation   Ingredient freeness wire insulation   Amount strands (wire)   Diameter of single wires   Conductor crosssection (wire)	± 5 % 70 ± 5 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 42 0,1 mm 0,34 mm <sup>2</sup>
Shore hardness wire insulation   Ingredient freeness wire insulation   Amount strands (wire)   Diameter of single wires	± 5 % 70 ± 5 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 42 0,1 mm

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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	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
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   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

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