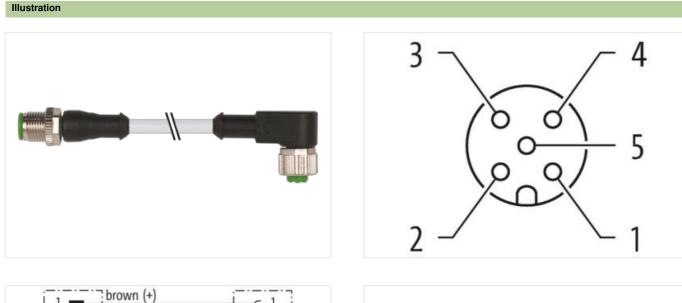


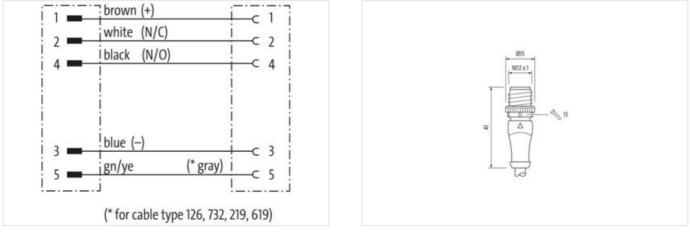
## M12 male 0° / M12 female 90° A-cod.

PUR 5x0.34 gy UL/CSA+drag ch. 2m

Male straight – 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.

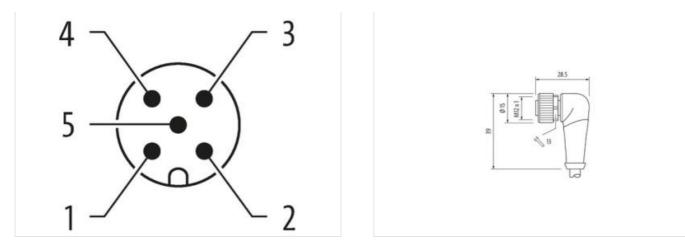
## Link to Product





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Product may differ from Image



Cable length	2 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	А	
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	
suitable for corrugated tube (internal Ø)	10 mm	
Coding	Α	
Material	PUR	
Width across flats	SW13	
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67	
Commercial data		
ECLASS-6.0	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	
customs tariff number	85444290	
GTIN	4048879176644	
Packaging unit	1	

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## Electrical data | Supply

Electrical data   Supply		
Operating voltage AC max.	125 V	
Operating voltage DC max.	125 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	1,5 kV	
Material group (IEC 60664-1)		
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		
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		
	235	
	235	
Cable Type	3	
Cable Type Jacket Color	3 gray	
Cable Type Jacket Color Type of Certificate	3 gray cURus	
Cable Type Jacket Color Type of Certificate Amount stranding	3 gray cURus 1	
Cable Type Jacket Color Type of Certificate Amount stranding Stranding	3 gray cURus 1 5 wires around Core filler twisted	
Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler	3 gray cURus 1 5 wires around Core filler twisted yes	
Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement	3 gray cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, green-yellow	
Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Traversing distance (C-track)	3 gray cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, green-yellow 10 m @ 25 °C   horizontal	
Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Traversing distance (C-track) Cable weigth	3 gray cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, green-yellow	
Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Traversing distance (C-track)	3 gray cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, green-yellow 10 m @ 25 °C   horizontal 41,8 g/m PUR	
Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Traversing distance (C-track) Cable weigth Material jacket Shore hardness jacket	3 gray cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, green-yellow 10 m @ 25 °C   horizontal 41,8 g/m PUR 90 ± 5 Shore A	
Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Traversing distance (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	3 gray cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, green-yellow 10 m @ 25 °C   horizontal 41,8 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	
Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Traversing distance (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	3 gray cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, green-yellow 10 m @ 25 °C   horizontal 41,8 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,8 mm	
Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Traversing distance (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	3 gray cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, green-yellow 10 m @ 25 °C   horizontal 41,8 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,8 mm ± 5 %	
Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Traversing distance (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation	3 gray cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, green-yellow 10 m @ 25 °C   horizontal 41,8 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,8 mm ± 5 % PP	
Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Traversing distance (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires	3   gray   cURus   1   5 wires around Core filler twisted   yes   brown, black, blue, white, green-yellow   10 m @ 25 °C   horizontal   41,8 g/m   PUR   90 ± 5 Shore A   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   4,8 mm   ± 5 %   PP   5	
Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Traversing distance (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation	3   gray   cURus   1   5 wires around Core filler twisted   yes   brown, black, blue, white, green-yellow   10 m @ 25 °C   horizontal   41,8 g/m   PUR   90 ± 5 Shore A   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   4,8 mm   ± 5 %   PP   5   1,25 mm	
Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Traversing distance (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires	3   gray   cURus   1   5 wires around Core filler twisted   yes   brown, black, blue, white, green-yellow   10 m @ 25 °C   horizontal   41,8 g/m   PUR   90 ± 5 Shore A   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   4,8 mm   ± 5 %   PP   5	

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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	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	
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	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	2 Mio.	
Torsion stress	± 180 °/m	
Torsion speed	35 cycles/min	

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