

## M12 male 0° / M12 female 0° A-cod.

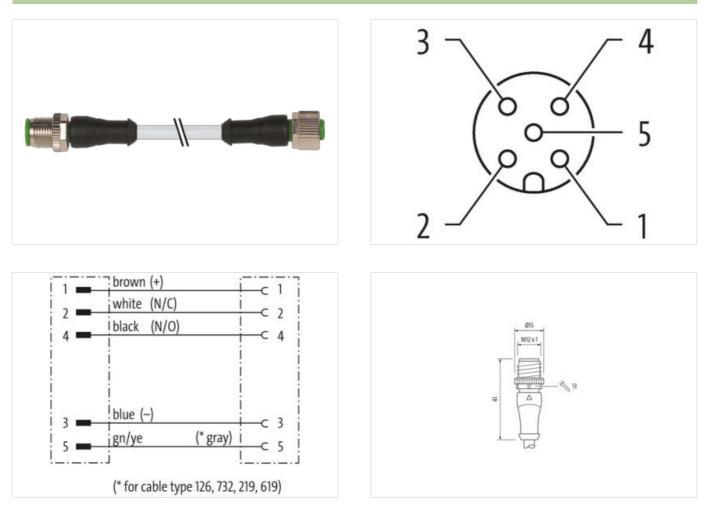
PUR 5x0.34 gy UL/CSA 2m

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Male straight – female straight M12 – M12, 5-pole A-coded 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.

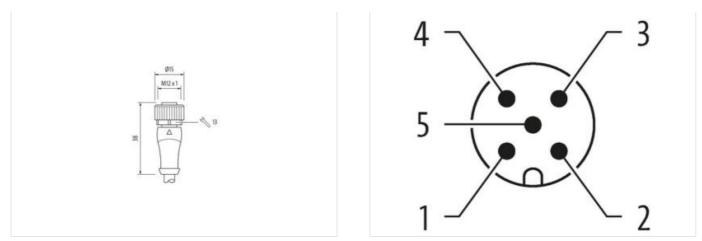
## Link to Product

Illustration



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Product may differ from Image



Cable length	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 $\emptyset$ )	10 mm
Cable outlet	straight
Coding	Α
Material	PUR
No. of poles	5
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 $\emptyset$ )	10 mm
Cable outlet	straight
Coding	А
Material	PUR
No. of poles	5
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311

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ECLASS-11.1	27060311	
ECLASS-12.0	27060311	
ETIM-5.0	EC001855	
customs tariff number	85444290	
GTIN	4048879182379	
Packaging unit	1	
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		
Degree of protection (EN IEC 60529)	IP65, IP67, IP66K	
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)	
Cable		
Cable identification	225	
Cable Type	2 (PUR/PVC)	
Approval (cable)	UL (AWM-Style 20549/1731), CSA; CE conform	
Cable weight [g/m]	54,78 g	
Material wire	Cu wire, bare	
	Cu wire, bare	
Resistor (core)	Cu wire, bare max. 57 Ω/km (20 °C)	
Resistor (core)	max. 57 Ω/km (20 °C)	
Resistor (core) Single wire Ø (core)	max. 57 Ω/km (20 °C) 0.1 mm	
Resistor (core) Single wire Ø (core) Construction (core)	max. 57 Ω/km (20 °C)   0.1 mm   42× 0.1 mm (multi-strand wire class 6)	
Resistor (core) Single wire Ø (core) Construction (core) Diameter (core)	max. 57 Ω/km (20 °C)   0.1 mm   42× 0.1 mm (multi-strand wire class 6)   5× 0.34 mm²	
Resistor (core) Single wire Ø (core) Construction (core) Diameter (core) AWG	max. 57 Ω/km (20 °C)   0.1 mm   42× 0.1 mm (multi-strand wire class 6)   5× 0.34 mm²   similar to AWG 22	

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Wire-Ø incl. isolation	1.25 mm ±5%	
Color/numbering of wires	br, bk, bl, wh, gnye longitudinally striped	
Stranding combination	5 wires twisted around central filler	
Shield	no	
Material jacket	PUR/PVC	
Material property (jacket)	CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion- resistant, hydrolysis and microbial resistant	
Shore hardness jacket	80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)	
Outer-Ø (jacket)	5.0 mm ±5%	
Color jacket	gray	
chemical resistance	good resistance to oil, gasoline and chemicals	
Nominal voltage	UL 300 V AC	
Test voltage	2000 V AC	
Current load capacity	to DIN VDE 0298-4	
Temperature range (fixed)	-30+80 °C	
Temperature range (mobile)	-5+80 °C	
Bending radius (fixed)	10× outer Ø	
Bending radius (dynamic)	15× outer Ø	
No. of bending cycles (C-track)	max. 2 Mio. (25 °C)	
Travel speed (C-track)	max. 3.3 m/s	
Acceleration (C-track)	max. 5 m/s <sup>2</sup>	

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