

## M12 male 0° / M12 female 0° A-cod.

PUR 5x0.34 or UL/CSA+robot+drag ch. 16m

Male straight – female straight M12 – M12, 5-pole

A-coded

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

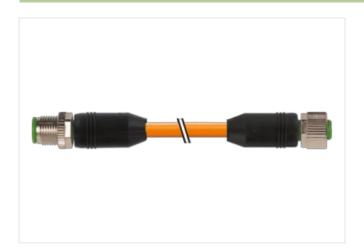
Plastic housings with good resistance against chemicals and oils.

The resistance to aggressive media should be individually tested for your application. Further details on request.

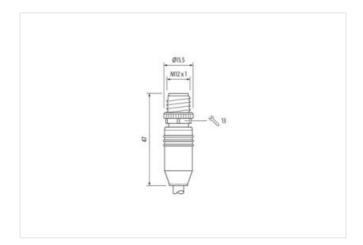
Further cable lengths on request.

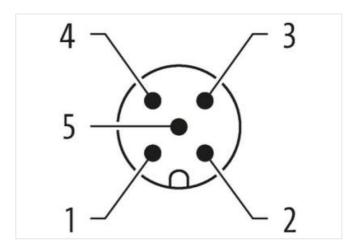
## **Link to Product**

## Illustration



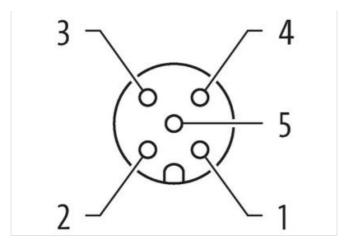


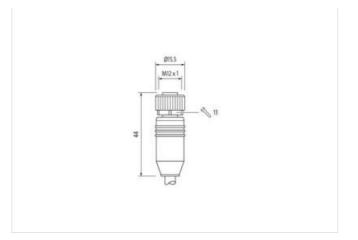






stay connected





Product may differ from Image



Cable length





16 m





Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	A
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
Coding	A
Material	PUR
No. of poles	5
Width across flats	SW13
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	4048879806718
Packaging unit	1



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Operating voltage AC max.	125 V
Operating voltage DC max.	125 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	safe-cover coated
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting Zinc die-casting
	Ento dio odotting
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.
-	ondangered by exceeding tereber
Conformity	
Conformity Product standard	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
Conformity Product standard Installation   Cable	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
Conformity  Product standard  Installation   Cable  Cable identification	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) 488
Conformity Product standard Installation   Cable Cable identification Cable Type	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) 488 5
Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  488 5 orange
Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  488  5  orange cURus
Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  488  5  orange cURus 1
Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  488 5 orange cURus 1 5 wires around Core filler twisted
Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding =iller	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  488 5 orange cURus 1 5 wires around Core filler twisted yes
Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  488  5 orange cURus 1  5 wires around Core filler twisted yes brown, black, blue, white, gray
Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  488  5  orange  cURus  1  5 wires around Core filler twisted  yes  brown, black, blue, white, gray  71,5 g/m
Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  488 5 orange cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, gray 71,5 g/m PUR
Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  488  5  orange  cURus  1  5 wires around Core filler twisted  yes  brown, black, blue, white, gray  71,5 g/m  PUR  58 ± 3 Shore D
Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  488  5 orange cURus 1  5 wires around Core filler twisted yes brown, black, blue, white, gray 71,5 g/m PUR  58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  488  5  orange  cURus  1  5 wires around Core filler twisted  yes  brown, black, blue, white, gray  71,5 g/m  PUR  58 ± 3 Shore D  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  6,5 mm
Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  Filler  wire arrangement  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Duter-diameter (jacket)  Folerance outer diameter (sheath)	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  488  5 orange cURus 1 5 wires around Core filler twisted  yes brown, black, blue, white, gray 71,5 g/m PUR  58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 6,5 mm ± 5 %
Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  488  5 orange cURus  1 5 wires around Core filler twisted yes brown, black, blue, white, gray  71,5 g/m PUR  58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 6,5 mm ± 5 % PP
Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler Wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  488 5 orange cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, gray 71,5 g/m PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 6,5 mm ± 5 % PP 5
Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Duter diameter insulation	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  488 5 orange cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, gray 71,5 g/m PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 6,5 mm ± 5 % PP 5 1,25 mm
Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement 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 Outer diameter tolerance core insulation	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  488 5 orange cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, gray 71,5 g/m PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 6,5 mm ± 5 % PP 5 1,25 mm ± 5 %
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Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement 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 Outer diameter tolerance core insulation	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  488 5 orange cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, gray 71,5 g/m PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 6,5 mm ± 5 % PP 5 1,25 mm ± 5 %

Bending radius (dynamic)

Travel speed (C-track)

No. of torsion cycles

Torsion stress

Torsion speed



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	4,5 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
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	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	5 x Outer diameter

10 x Outer diameter

10 Mio. @ 25 °C

1 Mio.

± 360 °/m

35 cycles/min