

## M12 male 0° / M8 female 90° A-cod.

PVC 3x0.25 ye UL/CSA 0.6m

Male straight - female 90°

M12 - M8, 3-pole

Art-No. 7005 - M12/M8 Lite - (plastic hexagonal screw) on request

with cable sleeves

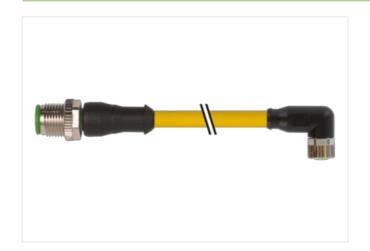
Plastic housings with good resistance against chemicals and oils.

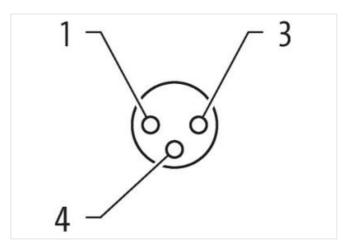
The resistance to aggressive media should be individually tested for your application. Further details on request.

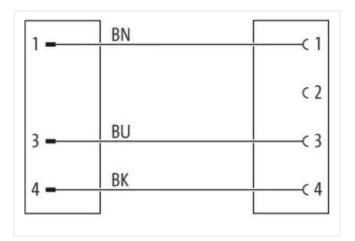
Further cable lengths on request.

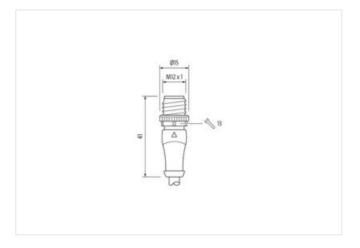
## **Link to Product**

## Illustration











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Product may differ from Image











Cable length	0,6 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
Material	PUR
No. of poles	3
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP67
Side 2	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal Ø)	6,5 mm
Coding	A
Material	PUR
No. of poles	3
Width across flats	SW9
Degree of protection (EN IEC 60529)	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

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ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879161701
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	50 V
Operating voltage DC max.	60 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	I
Mechanical data   Material data	
Coating housing	Copper alloy
Coating locking	Nickeled
Coating of fitting	nickel plated
Material gasket	FKM
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.
11010 011 011 011 011	retoot the commence by culture measures from mornamear leads, e.g. by the deage of case their
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.
	<b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Conformity	endangered by excessive bending forces.
Conformity Product standard	
Conformity Product standard Installation   Cable	endangered by excessive bending forces.  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
Conformity Product standard Installation   Cable Cable identification	endangered by excessive bending forces.  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  010
Conformity Product standard Installation   Cable Cable identification Cable Type	endangered by excessive bending forces.  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  010 1
Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color	endangered by excessive bending forces.  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  010  1  yellow
Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate	endangered by excessive bending forces.  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  010  1  yellow  cURus
Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding	endangered by excessive bending forces.  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  010 1 yellow cURus 1
Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding	endangered by excessive bending forces.  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  010  1  yellow cURus 1  3 wires twisted
Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement	endangered by excessive bending forces.  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  010  1  yellow cURus  1  3 wires twisted brown, black, blue
Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth	endangered by excessive bending forces.  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  010  1  yellow  cURus  1  3 wires twisted  brown, black, blue  29,37 g/m
Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket	endangered by excessive bending forces.  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  010  1  yellow  cURus  1  3 wires twisted  brown, black, blue  29,37 g/m  PVC
Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket	endangered by excessive bending forces.  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  010  1  yellow cURus  1  3 wires twisted brown, black, blue  29,37 g/m  PVC  85 ± 5 Shore A
Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)	endangered by excessive bending forces.  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  010  1  yellow cURus 1  3 wires twisted brown, black, blue 29,37 g/m PVC 85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free
Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)	endangered by excessive bending forces.  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  010  1  yellow  cURus  1  3 wires twisted  brown, black, blue  29,37 g/m  PVC  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  4,5 mm
Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)	endangered by excessive bending forces.  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  010  1  yellow  cURus  1  3 wires twisted  brown, black, blue  29,37 g/m  PVC  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  4,5 mm  ± 5 %
Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	endangered by excessive bending forces.  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  010  1  yellow  cURus  1  3 wires twisted  brown, black, blue  29,37 g/m  PVC  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  4,5 mm

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Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	45 ± 5 Shore D
Material properties wire insulation	good machinability
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Amount strands (wire)	14
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,25 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
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	79 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
Flame resistance	UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
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