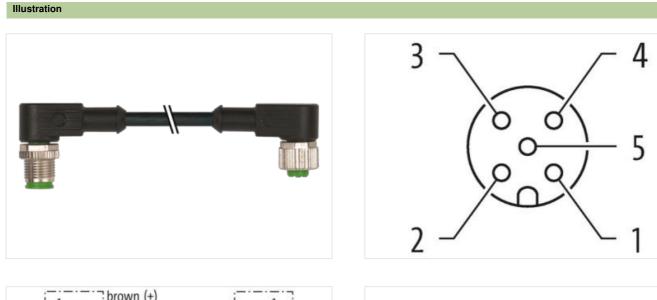


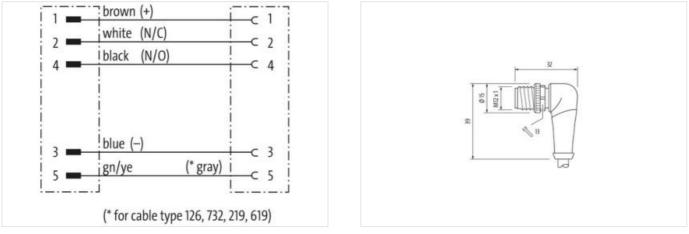
M12 male 90° / M12 female 90° A-cod.

PVC 5x0.34 bk UL/CSA 5m

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.

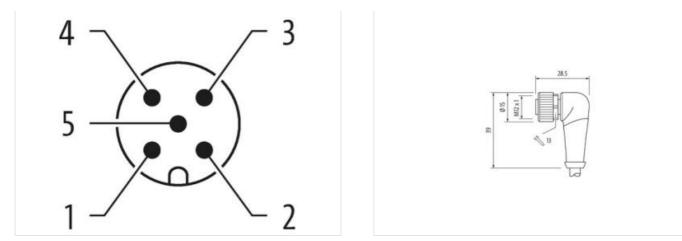
## Link to Product





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Product may differ from Image



Cable length	5 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	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 Ø)	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
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879549554
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
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	
	for a first second Obal in a substitut
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
Installation   Cable	
Cable identification	615
Cable Type	1
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	brown, black, blue, white, green-yellow 48,4 g/m
-	
Material jacket	48,4 g/m PVC
-	48,4 g/m
Material jacket Shore hardness jacket Freedom from ingredients (jacket)	48,4 g/m PVC 85 ± 5 Shore A
Material jacket Shore hardness jacket	48,4 g/m   PVC   85 ± 5 Shore A   lead-free, cadmium-free, CFC-free, silicone-free
Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	48,4 g/m   PVC   85 ± 5 Shore A   lead-free, cadmium-free, CFC-free, silicone-free   5,2 mm
Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	48,4 g/m   PVC   85 ± 5 Shore A   lead-free, cadmium-free, CFC-free, silicone-free   5,2 mm   ± 5 %
Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation	48,4 g/m   PVC   85 ± 5 Shore A   lead-free, cadmium-free, CFC-free, silicone-free   5,2 mm   ± 5 %   PVC
Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires	48,4 g/m   PVC   85 ± 5 Shore A   lead-free, cadmium-free, CFC-free, silicone-free   5,2 mm   ± 5 %   PVC   5
Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation	48,4 g/m   PVC   85 ± 5 Shore A   lead-free, cadmium-free, CFC-free, silicone-free   5,2 mm   ± 5 %   PVC   5   1,25 mm
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	48,4 g/m   PVC   85 ± 5 Shore A   lead-free, cadmium-free, CFC-free, silicone-free   5,2 mm   ± 5 %   PVC   5   1,25 mm   ± 5 %
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 Shore hardness wire insulation	48,4 g/m   PVC   85 ± 5 Shore A   lead-free, cadmium-free, CFC-free, silicone-free   5,2 mm   ± 5 %   PVC   5   1,25 mm   ± 5 %   45 ± 5 Shore D   good machinability
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 Shore hardness wire insulation Material properties wire insulation Ingredient freeness wire insulation	48,4 g/m   PVC   85 ± 5 Shore A   lead-free, cadmium-free, CFC-free, silicone-free   5,2 mm   ± 5 %   PVC   5   1,25 mm   ± 5 %   45 ± 5 Shore D
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 Shore hardness wire insulation Material properties wire insulation	48,4 g/m   PVC   85 ± 5 Shore A   lead-free, cadmium-free, CFC-free, silicone-free   5,2 mm   ± 5 %   PVC   5   1,25 mm   ± 5 %   45 ± 5 Shore D   good machinability   lead-free, cadmium-free, CFC-free, silicone-free
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 Shore hardness wire insulation Material properties wire insulation Ingredient freeness wire insulation Amount strands (wire)	48,4 g/m   PVC   85 ± 5 Shore A   lead-free, cadmium-free, CFC-free, silicone-free   5,2 mm   ± 5 %   PVC   5   1,25 mm   ± 5 %   45 ± 5 Shore D   good machinability   lead-free, cadmium-free, CFC-free, silicone-free   19
Material jacket   Shore hardness jacket   Freedom from ingredients (jacket)   Outer-diameter (jacket)   Tolerance outer diameter (sheath)   Material wire insulation   Amount wires   Outer diameter tolerance core insulation   Shore hardness wire insulation   Material properties wire insulation   Ingredient freeness wire insulation   Amount strands (wire)   Diameter of single wires	48,4 g/m   PVC   85 ± 5 Shore A   lead-free, cadmium-free, CFC-free, silicone-free   5,2 mm   ± 5 %   PVC   5   1,25 mm   ± 5 %   45 ± 5 Shore D   good machinability   lead-free, cadmium-free, CFC-free, silicone-free   19   0,15 mm   0,34 mm <sup>2</sup>
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 Shore hardness wire insulation Material properties wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire	48,4 g/m   PVC   85 ± 5 Shore A   lead-free, cadmium-free, CFC-free, silicone-free   5,2 mm   ± 5 %   PVC   5   1,25 mm   ± 5 %   45 ± 5 Shore D   good machinability   lead-free, cadmium-free, CFC-free, silicone-free   19   0,15 mm
Material jacket   Shore hardness jacket   Freedom from ingredients (jacket)   Outer-diameter (jacket)   Tolerance outer diameter (sheath)   Material wire insulation   Amount wires   Outer diameter tolerance core insulation   Shore hardness wire insulation   Material properties wire insulation   Ingredient freeness wire insulation   Amount strands (wire)   Diameter of single wires   Conductor crosssection (wire)	48,4 g/m   PVC   85 ± 5 Shore A   lead-free, cadmium-free, CFC-free, silicone-free   5,2 mm   ± 5 %   PVC   5   1,25 mm   ± 5 %   45 ± 5 Shore D   good machinability   lead-free, cadmium-free, CFC-free, silicone-free   19   0,15 mm   0,34 mm²   Stranded copper wire, bare

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Electrical resistance line constant wire	57 Ω/km @ 20 °C
Nominal voltage power AC max.	300 V
Power frequency withstand voltage power (wire - jacket)	2 kV @ 60 s
AC withstand voltage power (wire - wire)	2 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	0° 08
Operating temperature min. (dynamic)	-5 ℃
Operating temperature max. (dynamic)	0° 08
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090
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
Bending radius (dynamic)	10 x Outer diameter

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