

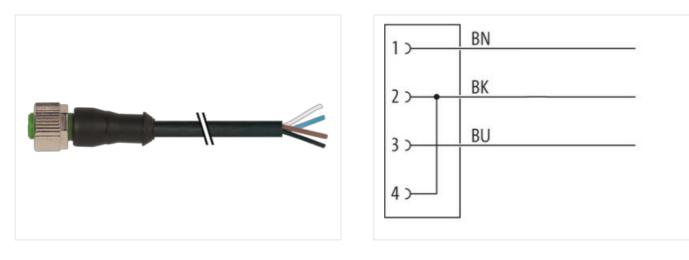
M12 female 0° A-cod. with cable

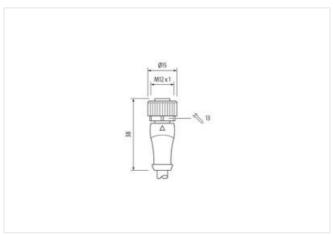
PUR 3x0.34 bk UL/CSA+drag ch. 7.5m

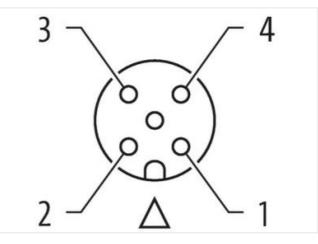
Female straight M12, 4-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

Link to Product

Illustration







Product may differ from Image



Cable length

7,5 m

Side 1

Tightening torque

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0,6 Nm



Coating contactgold platedFamily construction formM12ThreadM12 x 1suitable for corrugated tube (internal Ø)10 mmCodingAMaterial contactCopper alloyMaterialPURNo. of poles4Width across flatsSW13Degree of protection (EN IEC 60529)IP65, IP66K, IP67Side 2Stripping length (jacket)20 mmCoating contactgold platedCommercial dataECLASS-6.0ECLASS-6.027279218ECLASS-6.127279218ECLASS-7.027279218ECLASS-8.027279218ECLASS-9.027060311ECLASS-10.127060311ECLASS-11.127060311ECLASS-12.027060311ETIM-5.0EC001855customs tariff number85444290GTIN4048879214452Packaging unit1Electrical data SupplyOperating voltage AC max.250 VOperating voltage DC max.250 VOperating voltage DC max.4 ADiagnostics30 VStatus indication LEDnoInstallation Connectionno	
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Status indication LED no	
Installation Connection	
Stripping length (jacket) 20 mm	
Mounting set M12 x 1	
Device protection Electrical	
Additional condition protection degree inserted, screwed	
Pollution Degree 3	
Rated surge voltage 2,5 kV	
Material group (IEC 60664-1)	
Mechanical data Material data	
Coating locking Nickeled	
Coating of fitting nickel plated	
Material gasket FKM	
Locking material Zinc die-casting	
Material screw connection Zinc die casting	
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Mechanical data Mounting data	
Mounting method inserted, screwed, Shaking protection	

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Environmental characteristics | Climatic

Environmental characteristics Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation Cable	
Cable identification	633
Cable Type	3
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
Stranding	3 wires twisted
wire arrangement	brown, black, blue
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Cable weigth	29,7 g/m
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	4,1 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PP
Amount wires	3
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	70 ± 5 Shore D
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 ²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	10 m @ 25 °C horizontal
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	6 A
Electrical resistance line constant wire	57 Ω/km @ 20 °C
Nominal voltage power AC max.	300 V
Power frequency withstand voltage power (wire - jacket)	2,5 kV @ 60 s
AC withstand voltage power (wire - wire)	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
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2
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
No. of torsion cycles	2 Mio.
Torsion speed	35 cycles/min

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Torsion stress

± 180 °/m

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