

M12 male 90° A-cod. with cable shielded

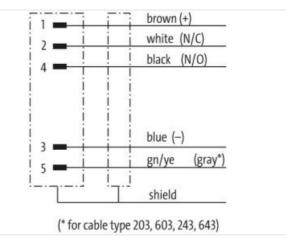
PUR 5x0.34 shielded bk UL/CSA+drag ch. 15m

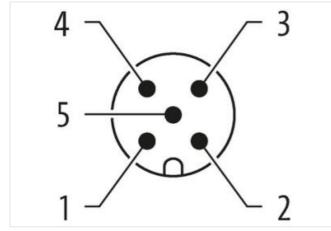
Male 90° M12, 5-pole shielded A-coded Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

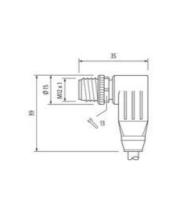
Link to Product











Product may differ from Image



Cable length

Side 1

Tightening torque

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-04-25

15 m

0,6 Nm

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Material PUR Width across flats SW13 Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Side 2 Coating contact gold plated Commercial data ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 ECLASS-9.0 27279218 ECLASS-9.0 ECLASS-9.0 27060311 ECLASS-9.0 ECLASS-1.1 27060311 ECLASS-1.1 ECLASS-1.2.0 27060311 ECLASS-1.2.0 ETIM-5.0 EC001855 customs tariff number GTIN 4048879609937 Market 200	Mounting method	inserted, screwed
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Product standard DIN EN 61076-2-101 (M12)		
	-	DIN EN 61076-2-101 (M12)
	Installation Cable	

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Cable identification	643
Cable Type	3
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
Stranding	5 wires around Core filler twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	80 %
Banding	Fleece, Foil
Filler	yes
wire arrangement	brown, black, blue, white, gray
No. of bending cycles (C-track)	5 Mio. @ 25 °C
Cable weigth	57,2 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)	5.6 mm
Tolerance outer diameter (sheath)	5,6 mm ± 5 %
Material wire insulation	± 5 % PP
Amount wires	5
	5 1,25 mm
Outer diameter insulation 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)	5 m @ 25 °C horizontal
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,5 A
Electrical resistance line constant wire	57 Ω/km @ 20 °C
Nominal voltage power AC max.	300 V
AC withstand voltage power (wire - shield)	2 kV @ 60 s
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)	-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 § 1100 FT2 IEC 60332-2-2 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
No. of torsion cycles	2 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 30 °/m

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