

M12 male 0° A-cod. with cable shielded

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

Male straight M12, 5-pole shielded

with cable sleeves

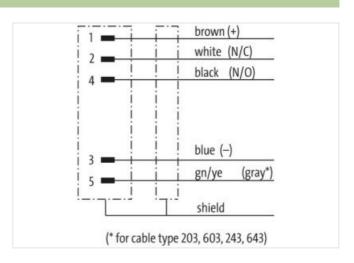
Plastic housings with good resistance against chemicals and oils.

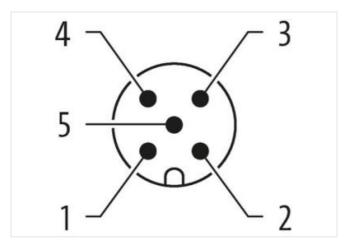
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

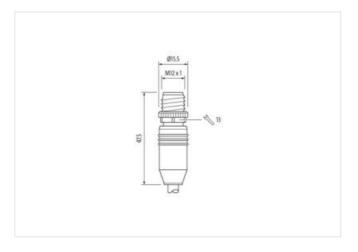
Link to Product

Illustration









Product may differ from Image













Cable length

15 m

Side 1

Tightening torque 0,6 Nm



stay connected

Conting content	Mounting method	inserted, screwed	
Family construction from M12 miles of the mi		•	
Treed			
Coding A Maturial contact Coppor alloy Maturial PUR No. of poles 5 Width across flats SWI3 Degree of protection (EN IEC 60529) IPES, IPESK, IPES Side 2 SWI3 Stripping length (jacket) 20 mm Coating contact gold plated Commercial date ECLASS-0 27279218 ECLASS-7.0 27279218 ECLASS-7.0 27279218 ECLASS-1.1 27003311 ECLASS-1.2 2700311 ECLASS-1.3 2700311 ECLASS-1.4 2700311 ECLASS-1.5 2700311 ECLASS-1.1 2700311 ECLASS-1.2 2700311 ECLASS-1.2 2700311 ECLASS-1.2 2700311 ECLASS-1.2 2700311 ECLASS-1.2 2700311 ECLASS-1.3 4048705442 Packaging unit 1 Electrical data Suppty 4048705442 Packaging unit	· · · · · · · · · · · · · · · · · · ·		
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Mounting method inserted, screwed, Shaking protection	Material screw connection	Zinc die-casting	
	Mechanical data Mounting data		
Environmental characteristics Climatic	Mounting method	inserted, screwed, Shaking protection	
	Environmental characteristics Climatic		



stay connected

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.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation Cable	
·	brown, black, blue, white, gray
wire arrangement Cable identification	643
Cable Type	3
Jacket Color	
Type of Certificate	black
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Amount stranding Stranding	1 5 wires around Core filler twicted
Stranding Cable shielding (type)	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
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%
Material wire insulation	PP
Amount wires	5
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
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	57 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
AC withstand voltage (wire - shield)	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

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: 2024-05-19



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 bending cycles (C-track)	5 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C horizontal
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 30 °/m
Torsion speed	35 cycles/min