

M12 male 0° A-cod. with cable shielded

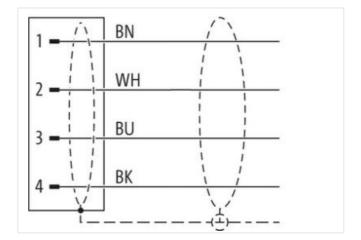
PUR 4x0.34 shielded bk UL/CSA+drag ch. 13m

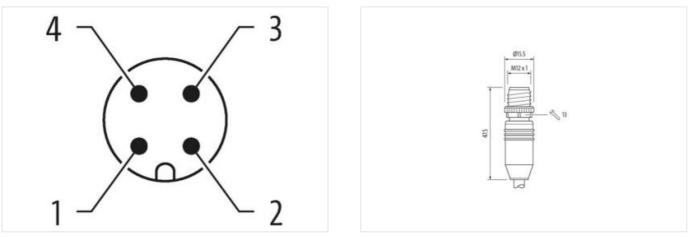
Male straight M12, 4-pole A-coded shielded Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

Link to Product

Illustration







Product may differ from Image



Cable length

Side 1

Tightening torque

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13 m

0,6 Nm

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Family construction formM1ThreadM1CodingAMaterial contactCopMaterial contactCopMaterialPUNo. of poles4Width across flatsSWDegree of protection (EN IEC 60529)IP6Side 2Stripping length (jacket)20Coating contactgoldCommercial dataECLASS-6.0ECLASS-6.1272ECLASS-6.1272ECLASS-7.0272ECLASS-9.0270ECLASS-10.1270ECLASS-11.1270ECLASS-12.0270ETIM-5.0ECcustoms tariff number854GTIN404Packaging unit1Electrical data SupplyOperating voltage AC max.Operating voltage AC (UL-listed)30	ld plated 12 12 x 1
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Operating voltage DC (UL-listed) 30	V
Current operating per contact max. 4 A	A
Diagnostics	
Status indication LED no	
Installation Connection	
	mm
	12 x 1
Device protection Electrical	
	serted, screwed
Pollution Degree 3	
¥	5 kV
Material group (IEC 60664-1)	
Mechanical data Material data	
·	
	ckeled skel plated
	nc die-casting
	nc die-casting
Mechanical data Mounting data	
-	serted, screwed, Shaking protection
Environmental characteristics Climatic	

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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	
Cable identification	641
Cable Type	3
Jacket Color	black
Type of Certificate	cURus
Amount stranding Stranding	4 wires twisted
Stranding	
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	80 % Fleece, Foil
Banding	
wire arrangement	brown, black, blue, white
Cable weigth	50,6 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)	5,3 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PP
Amount wires	4
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)	5 m @ 25 °C horizontal
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,8 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	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2

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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
Travel speed (C-track)	5 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 30 °/m
Torsion speed	35 cycles/min

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