

M12 female 0° A-cod. with cable shielded

PUR 5x0.34 shielded bk UL/CSA+drag ch. 2m

M12, 5-pole Female straight shielded

with cable sleeves

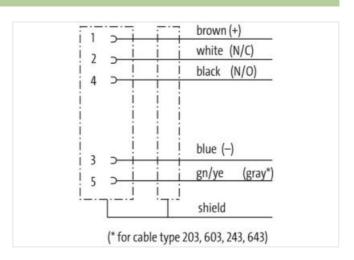
Plastic housings with good resistance against chemicals and oils.

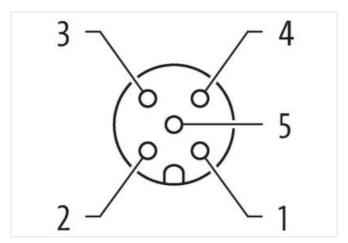
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

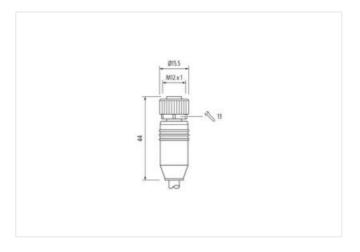
Link to Product

Illustration









Product may differ from Image













Cable length

2 m

Side 1

Tightening torque

0,6 Nm

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: 2024-05-17



stay connected

Family construction from M12 x	Mounting method	inserted, screwed
Tread Mil X I Coding A Material PUR Wich across files SW13 Degree of protection (EN ISC 00528) PG6, FROK, IP07 Stripping length (jacket) 20 mm Commercial data ECLASS 6.0 27279218 ECLASS 7.0 27279218 ECLASS 8.0 27279218 ECLASS 9.0 27090311 ECLASS 1.1 27090311 ECLASS 1.2.0 27090311 ECLASS 1.2.0 27090311 ECLASS 1.1 27090311 ECLASS 1.2.0 27090311 ECLASS 1.2.0 12001853 GTIN 4048879051540 Packaging unit 1 Electrical data [Supply Operating voltage AC max. 60 V Operating voltage AC max. 60 V Operating voltage AC max. 40 V Operating voltage AC (UL-steet) 30 V Operating voltage AC (UL-steet) 30 V Operating voltage AC (UL-steet) 30 V Operating voltage AC (UL		
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Additional condition temperature range depending on cable quality		85 °C
		depending on cable quality



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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	643
Cable Type	3
Jacket Color	black
Type of Certificate	cURus
**	1
Amount stranding Stranding	5 wires around Core filler twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	80 %
Banding 	Fleece, Foil
Filler	yes
vire arrangement	brown, black, blue, white, gray
Cable weigth	57,2 g/m
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
reedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	5,6 mm
olerance 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
ngredient 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
Γraversing 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	4,5 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 - acket)	2 kV @ 60 s
C withstand voltage (wire - shield)	2 kV @ 60 s
fin. 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
JV 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
Dil resistance	DIN EN 60811-404 Good, application-related testing
Bending radius (fixed)	5 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	