

M12 male 0° / M12 female 0° A-cod.

PVC 8x0.25 bk UL/CSA 3.5m

Male straight - female straight

M12 - M12, 8-pole

Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

Plastic housings with good resistance against chemicals and oils.

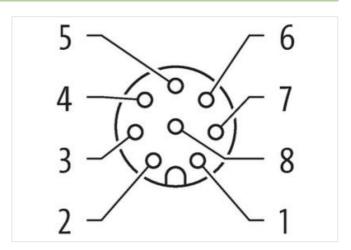
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

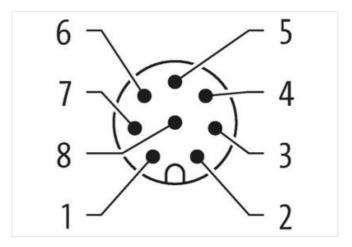
Link to Product

Illustration



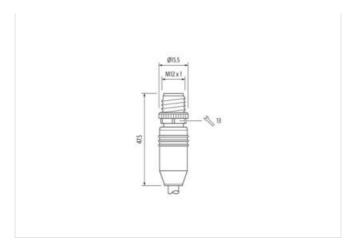


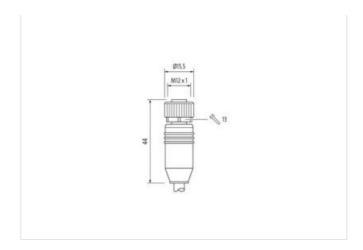






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Product may differ from Image





Coating contact gold plated Family construction form M12 Material contact Copper alloy No. of poles 8 Side 2 Wounting method Mounting method inserted, screwed Coating contact gold plated Family construction form M12 Material contact Copper alloy No. of poles 8 Commercial data ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ETIM-5.0 EC01855 customs tariff number 85444290 GTIN 404879563093 Packaging unit 1 Electrical data Supply Operating voltage AC max. 30 V Operating voltage DC max. 30 V	Cable length	3,5 m
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Operating voltage AC max. 30 V Operating voltage DC max. 30 V Device protection Electrical	Packaging unit	1
Operating voltage DC max. 30 V Device protection Electrical	Electrical data Supply	
Device protection Electrical	Operating voltage AC max.	30 V
	Operating voltage DC max.	30 V
Pollution Degree 3	Device protection Electrical	
	Pollution Degree	3



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Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	I
Environmental characteristics Climatic	
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.
Installation Cable	
Cable identification	607
Cable Type	1
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
Stranding	8 wires around Core filler twisted
Filler	yes
wire arrangement	brown, white, red, blue, pink, gray, yellow, green
Cable weigth	58,3 g/m
Material jacket	PVC
Shore hardness jacket	85 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Outer-diameter (jacket)	6 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PVC
	8
Amount wires Outer diameter insulation	1.2 mm
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Outer diameter tolerance core insulation	± 5 % 45 ± 5 Shore D
Shore hardness wire insulation	
Material properties wire insulation	good machinability
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Amount strands (wire)	32
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,25 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	3 A
Electrical resistance line constant wire	79 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
UV resistance	DIN EN ISO 4892-2 A
	UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2
Flame resistance	
Flame resistance	Good, application-related testing
Flame resistance chemical resistance Gasoline resistance	



Bending radius (fixed) 5 x Outer diameter

Bending radius (dynamic) 10 x Outer diameter