

M12 male 0° / M12 female 0° A-cod.

PUR 8x0.25 ye UL/CSA+drag ch. 1m

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.

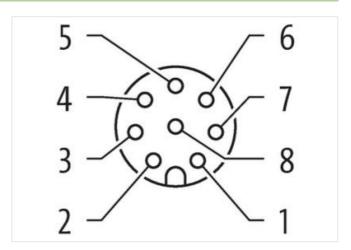
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

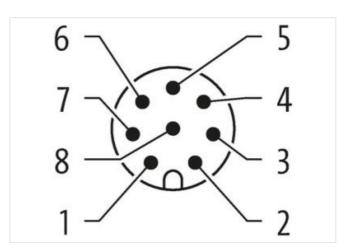
Link to Product

Illustration



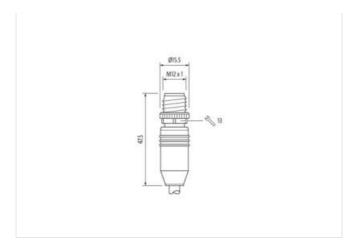


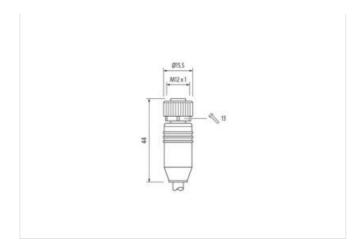






stay connected





Product may differ from Image





Cable length	1 m	
Side 1		
Mounting method	inserted, screwed	
Coating contact	gold plated	
Family construction form	M12	
Material contact	Copper alloy	
No. of poles	8	
Side 2		
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	EC001855	
customs tariff number	85444290	
GTIN	4048879650045	
Packaging unit	1	
Electrical data Supply		
Operating voltage AC max.	30 V	
Operating voltage DC max.	30 V	
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	
wire arrangement	brown, white, red, blue, pink, gray, yellow, green
Cable identification	114
Cable Type	3
Jacket Color	yellow
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	51,7 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)	5,8 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PP
Amount wires	8
Outer diameter insulation	1,2 mm
Outer diameter insulation Outer diameter tolerance core insulation	± 5 %
	70 . 5 0
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)	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)	2,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2,5 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
Flame resistance	UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2
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 bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	10 m @ 25 °C horizontal
Travel speed (C-track)	3 m/s @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min