

## M12 male 0° / M12 female 0° A-cod.

PUR 8x0.25 rd UL/CSA+drag ch. 10m

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.

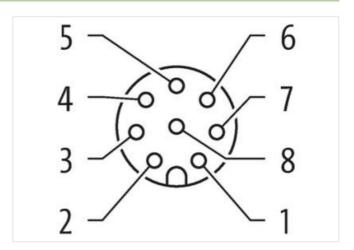
The resistance to aggressive media should be individually tested for your application. Further details on request.

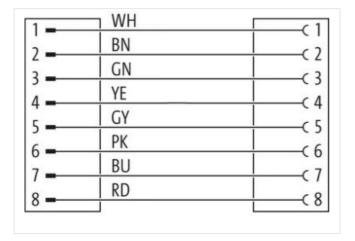
Further cable lengths on request.

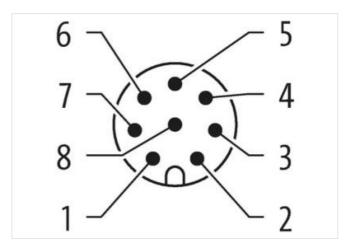
## **Link to Product**

## Illustration



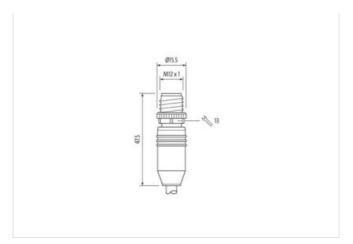


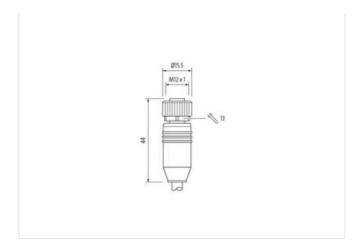






## stay connected





Product may differ from Image





Cable length	10 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	4048879650113
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	30 V
Operating voltage DC max.	30 V
Current operating per contact max.	2 A
Device protection   Electrical	
Pollution Degree	3

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: 2024-06-23



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Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	<u> </u>
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	<b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Installation   Cable	
vire arrangement	brown, white, red, blue, pink, gray, yellow, green
Cable identification	718
Cable Type	3
Jacket Color	red
Type of Certificate	cURus
Amount stranding	1
Stranding	8 wires around Core filler twisted
Filler	yes
vire 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
Folerance outer diameter (sheath)	±5%
Material wire insulation	PP PP
Amount wires	8
Outer diameter insulation	1,2 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	70 ± 5 Shore D
	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
ngredient freeness wire insulation	-
Amount strands (wire)	32
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,25 mm <sup>2</sup>
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)  Power frequency withstand voltage (wire -	2,5 kV @ 60 s 2,5 kV @ 60 s
acket)  Min. operating temperature (static)	-40 °C
Max. operating temperature (static)	-40 °C / 90 °C @ 10000 h Operation
	<u> </u>
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Flame resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
chemical resistance	Good, application-related testing
chemical resistance Gasoline resistance	Good, application-related testing  Good, application-related testing  DIN EN 60811-404   Good, application-related testing



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