

## 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.

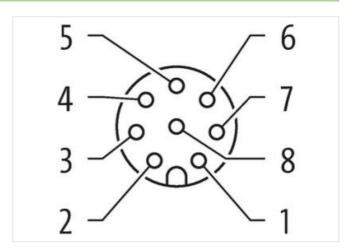
The resistance to aggressive media should be individually tested for your application. Further details on request.

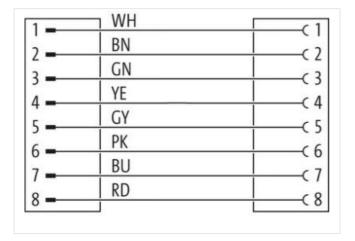
Further cable lengths on request.

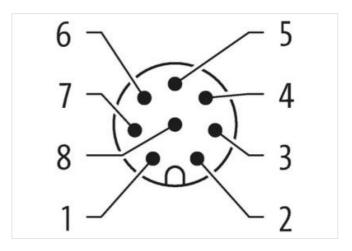
## **Link to Product**

## Illustration



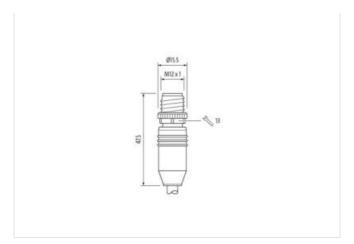


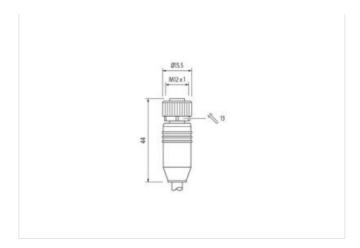






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Product may differ from Image





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	charigated by execusive bending forecs.
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 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)	32
<u> </u>	0,1 mm
<u> </u>	0,1 mm 0,25 mm <sup>2</sup>
Conductor crosssection (wire)	
Conductor crosssection (wire)  Material conductor wire	0,25 mm <sup>2</sup>
Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)	0,25 mm² Stranded copper wire, bare
Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Traversing distance (C-track)	0,25 mm² Stranded copper wire, bare strand class 6
Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Traversing distance (C-track)  Nominal voltage AC max.	0,25 mm² Stranded copper wire, bare strand class 6 10 m @ 25 °C   horizontal
Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Traversing distance (C-track)  Nominal voltage AC max.  Current load capacity (standard)	0,25 mm² Stranded copper wire, bare strand class 6 10 m @ 25 °C   horizontal 300 V
Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Traversing distance (C-track)  Nominal voltage AC max.  Current load capacity (standard)  Current load capacity min. wire	0,25 mm² Stranded copper wire, bare strand class 6  10 m @ 25 °C   horizontal 300 V to DIN VDE 0298-4
Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Traversing distance (C-track)  Nominal voltage AC max.  Current load capacity (standard)  Current load capacity min. wire  Electrical resistance line constant wire	0,25 mm² Stranded copper wire, bare strand class 6 10 m @ 25 °C   horizontal 300 V to DIN VDE 0298-4 3 A
Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Traversing distance (C-track)  Nominal voltage AC max.  Current load capacity (standard)  Current load capacity min. wire  Electrical resistance line constant wire  AC withstand voltage (wire - wire)  Power frequency withstand voltage (wire -	0,25 mm²  Stranded copper wire, bare  strand class 6  10 m @ 25 °C   horizontal  300 V  to DIN VDE 0298-4  3 A  79 Ω/km @ 20 °C
Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Traversing distance (C-track)  Nominal voltage AC max.  Current load capacity (standard)  Current load capacity min. wire  Electrical resistance line constant wire  AC withstand voltage (wire - wire)  Power frequency withstand voltage (wire - jacket)	0,25 mm²  Stranded copper wire, bare  strand class 6  10 m @ 25 °C   horizontal  300 V  to DIN VDE 0298-4  3 A  79 Ω/km @ 20 °C  2,5 kV @ 60 s
Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Traversing distance (C-track)  Nominal voltage AC max.  Current load capacity (standard)  Current load capacity min. wire  Electrical resistance line constant wire  AC withstand voltage (wire - wire)  Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)	0,25 mm² Stranded copper wire, bare strand class 6  10 m @ 25 °C   horizontal 300 V  to DIN VDE 0298-4 3 A  79 Ω/km @ 20 °C 2,5 kV @ 60 s  2,5 kV @ 60 s
Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Traversing distance (C-track)  Nominal voltage AC max.  Current load capacity (standard)  Current load capacity min. wire  Electrical resistance line constant wire  AC withstand voltage (wire - wire)  Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  Max. operating temperature (fixed)	0,25 mm² Stranded copper wire, bare strand class 6  10 m @ 25 °C   horizontal  300 V  to DIN VDE 0298-4  3 A  79 Ω/km @ 20 °C  2,5 kV @ 60 s  2,5 kV @ 60 s  -40 °C  80 °C / 90 °C @ 10000 h Operation
Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Traversing distance (C-track)  Nominal voltage AC max.  Current load capacity (standard)  Current load capacity min. wire  Electrical resistance line constant wire  AC withstand voltage (wire - wire)  Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)	0,25 mm² Stranded copper wire, bare strand class 6 10 m @ 25 °C   horizontal 300 V to DIN VDE 0298-4 3 A 79 Ω/km @ 20 °C 2,5 kV @ 60 s 2,5 kV @ 60 s -40 °C 80 °C / 90 °C @ 10000 h Operation -25 °C
Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Traversing distance (C-track)  Nominal voltage AC max.  Current load capacity (standard)  Current load capacity min. wire  Electrical resistance line constant wire  AC withstand voltage (wire - wire)  Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)	0,25 mm²  Stranded copper wire, bare  strand class 6  10 m @ 25 °C   horizontal  300 V  to DIN VDE 0298-4  3 A  79 Ω/km @ 20 °C  2,5 kV @ 60 s  2,5 kV @ 60 s  -40 °C  80 °C / 90 °C @ 10000 h Operation  -25 °C  80 °C / 90 °C @ 10000 h Operation
Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Traversing distance (C-track)  Nominal voltage AC max.  Current load capacity (standard)  Current load capacity min. wire  Electrical resistance line constant wire  AC withstand voltage (wire - wire)  Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)	0,25 mm²  Stranded copper wire, bare  strand class 6  10 m @ 25 °C   horizontal  300 V  to DIN VDE 0298-4  3 A  79 Ω/km @ 20 °C  2,5 kV @ 60 s  2,5 kV @ 60 s  -40 °C  80 °C / 90 °C @ 10000 h Operation  -25 °C  80 °C / 90 °C @ 10000 h Operation  UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2
Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Traversing distance (C-track)  Nominal voltage AC max.  Current load capacity (standard)  Current load capacity min. wire  Electrical resistance line constant wire  AC withstand voltage (wire - wire)  Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Flame resistance  chemical resistance	0,25 mm²  Stranded copper wire, bare  strand class 6  10 m @ 25 °C   horizontal  300 V  to DIN VDE 0298-4  3 A  79 Ω/km @ 20 °C  2,5 kV @ 60 s  2,5 kV @ 60 s  -40 °C  80 °C / 90 °C @ 10000 h Operation  -25 °C  80 °C / 90 °C @ 10000 h Operation  UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  Good, application-related testing
Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Traversing distance (C-track)  Nominal voltage AC max.  Current load capacity (standard)  Current load capacity min. wire  Electrical resistance line constant wire  AC withstand voltage (wire - wire)  Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Flame resistance  chemical resistance  Gasoline resistance	0,25 mm²  Stranded copper wire, bare  strand class 6  10 m @ 25 °C   horizontal  300 V  to DIN VDE 0298-4  3 A  79 Ω/km @ 20 °C  2,5 kV @ 60 s  2,5 kV @ 60 s  -40 °C  80 °C / 90 °C @ 10000 h Operation  -25 °C  80 °C / 90 °C @ 10000 h Operation  UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  Good, application-related testing  Good, application-related testing
Diameter of single wires  Conductor crosssection (wire)  Material conductor wire  Conductor type (wire)  Traversing distance (C-track)  Nominal voltage AC max.  Current load capacity (standard)  Current load capacity min. wire  Electrical resistance line constant wire  AC withstand voltage (wire - wire)  Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Flame resistance  chemical resistance  Gasoline resistance  Bending radius (fixed)	0,25 mm²  Stranded copper wire, bare  strand class 6  10 m @ 25 °C   horizontal  300 V  to DIN VDE 0298-4  3 A  79 Ω/km @ 20 °C  2,5 kV @ 60 s  2,5 kV @ 60 s  -40 °C  80 °C / 90 °C @ 10000 h Operation  -25 °C  80 °C / 90 °C @ 10000 h Operation  UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  Good, application-related testing

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: 2024-05-19



Bending radius (dynamic)	10 x Outer diameter		
Travel speed (C-track)	10 Mio. @ 25 °C		
No. of torsion cycles	2 Mio.		
Torsion stress	± 180 °/m		
Torsion speed	35 cycles/min		