

M12 male 0° / M12 female 0° A-cod.

PUR 8x0.25 gy UL/CSA+drag ch. 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.

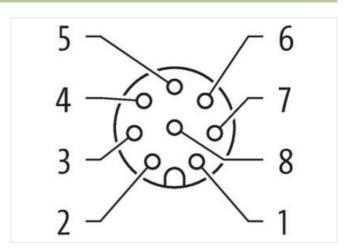
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

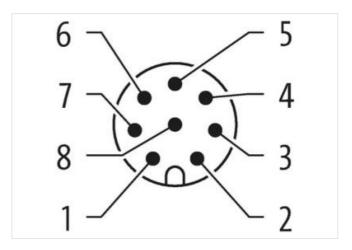
Link to Product

Illustration



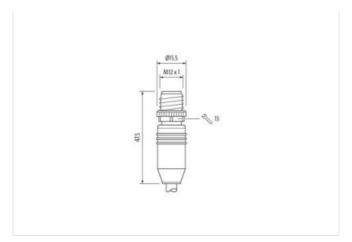


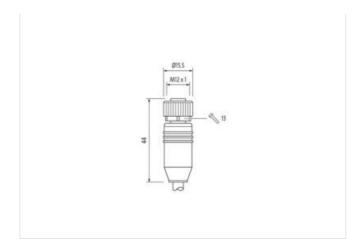






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Product may differ from Image





Cable length	3,5 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	4048879410687
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)	ı
Environmental characteristics Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
	District the connectors by suitable managers from manhanical leads on a by the years of cable ties
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Note on bending radius	endangered by excessive bending forces.
Installation Cable	
Cable identification	295
Cable Type	3
Jacket Color	gray
Type of Certificate	cURus
Amount stranding	1
Stranding	8 wires around Core filler twisted
Filler	yes
wire arrangement	brown, orange, violet, pink, gray, black, blue, white
Cable weigth	55 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 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
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
Traversing distance (C-track)	10 m @ 25 °C horizontal
Nominal voltage AC max.	`
CYCHINIAL YUNGUS AU MAA.	300 V
	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity (standard) Current load capacity min. wire	to DIN VDE 0298-4 3 A
Current load capacity (standard) Current load capacity min. wire Electrical resistance line constant wire	to DIN VDE 0298-4 3 A 79 Ω/km @ 20 °C
Current load capacity (standard) Current load capacity min. wire Electrical resistance line constant wire AC withstand voltage (wire - wire)	to DIN VDE 0298-4 3 A 79 Ω/km @ 20 °C 2,5 kV @ 60 s
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)	to DIN VDE 0298-4 3 A 79 Ω/km @ 20 °C 2,5 kV @ 60 s 2,5 kV @ 60 s
Current load capacity (standard) Current load capacity min. wire Electrical resistance line constant wire AC withstand voltage (wire - wire) Power frequency withstand voltage (wire - iacket) Min. operating temperature (static)	to DIN VDE 0298-4 3 A 79 Ω/km @ 20 °C 2,5 kV @ 60 s 2,5 kV @ 60 s -40 °C
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)	to DIN VDE 0298-4 3 A 79 \(\Omega / \text{km} \text{ @ 20 °C} \) 2,5 kV \(\omega \) 60 s 2,5 kV \(\omega \) 60 s -40 °C 80 °C / 90 °C \(\omega \) 10000 h Operation
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)	to DIN VDE 0298-4 3 A 79 \(\Omega / \text{km} \) \(\empty 20 \) \(\cdot \) C 2,5 kV \(\empty 60 \) s 2,5 kV \(\empty 60 \) s -40 \(\cdot \) C 80 \(\cdot \) / 90 \(\cdot \) C \(\empty 10000 \) h Operation -25 \(\cdot \) C
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)	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
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	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 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2
Current load capacity (standard) Current load capacity min. wire Electrical resistance line constant wire AC withstand voltage (wire - wire) Power frequency withstand voltage (wire - iacket) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Flame resistance	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
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	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 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2
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	to DIN VDE 0298-4 3 A 79 \(\Omega \text{/km} \emptyset 20 \circ C \) 2,5 kV \(\emptyset 60 \text{ s} \) -40 \(\circ C \) 80 \(\circ C / 90 \circ C \) \(\emptyset 20 \circ C \) 80 \(\circ C / 90 \circ C \) \(\emptyset 20 \circ C \) 80 \(\circ C / 90 \circ C \) \(\emptyset 20 \circ C \) 80 \(\circ C / 90 \circ C \) \(\emptyset 20 \circ C \) 80 \(\circ C / 90 \circ C \) \(\emptyset 20 \circ C \) 80 \(\circ C / 90 \circ C \) \(\emptyset 20 \circ C \) 80 \(\circ C / 90 \circ C \) \(\emptyset 20 \circ C \) 80 \(\circ C / 90 \circ C \) \(\emptyset 20 \circ C \) 90 \(\circ C / 90 \circ C \) \(\emptyset 20 \circ C \) 90 \(\circ C / 90 \circ C \)

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: 2024-05-20



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