

stay connected

M12 male 0° A-cod. with cable

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

Male straight

M12, 8-pole

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

with cable sleeves

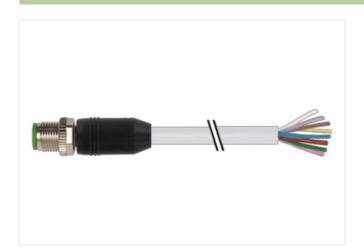
Plastic housings with good resistance against chemicals and oils.

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

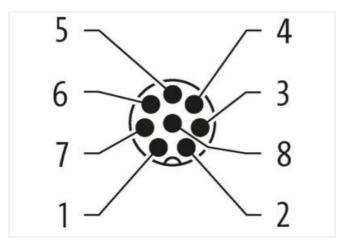
Further cable lengths on request.

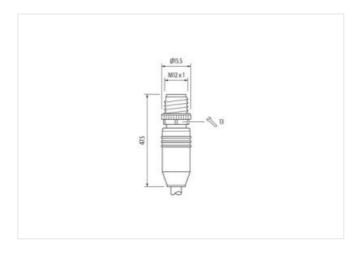
Link to Product

Illustration









Product may differ from Image











Cable length

25 m

Side 1

Tightening torque

0,6 Nm

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: 2024-05-09



Family construction form M12 Material PUR Width across flats SW13 Commercial data ECLASS-6.0 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 ECLASS-12.0 27060311 ECLASS-10.1 4048879467599 GTIN 4048879467599 Packaging unit 1 Electrical data Supply	
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Packaging unit 1 Electrical data Supply	
Electrical data Supply	
Operating voltage AC max. 30 V	
Operating voltage DC max. 30 V	
Installation Connection	
Mounting set M12 x 1	
Device protection Electrical	
Pollution Degree 3	
Rated surge voltage 0,8 kV	
Material group (IEC 60664-1)	
Mechanical data Material data	
Coating of fitting nickel plated	
Material screw connection Zinc die-casting	
Environmental characteristics Climatic	
Operating temperature min25 °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 295	
Cable Type 3	
Jacket Color gray	
Type of Certificate cURus	
Type of Certificate cURus Amount stranding 1	
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Amount stranding 1	
Amount stranding 1 Stranding 8 wires around Core filler twisted	
Amount stranding 1 Stranding 8 wires around Core filler twisted Filler yes	
Amount stranding Stranding 8 wires around Core filler twisted Filler yes wire arrangement brown, orange, violet, pink, gray, black, blue, white	
Amount stranding Stranding 8 wires around Core filler twisted Filler yes wire arrangement brown, orange, violet, pink, gray, black, blue, white Traversing distance (C-track) 10 m @ 25 °C horizontal	
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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
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,25 mm²
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 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
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