

M12 male 0° / M12 female 90° A-cod.

PUR 4x0.34 or UL/CSA+robot+drag ch. 10m

Male straight – female 90° Zinc die casting, save-cover coated M12 – M12, 4-pole

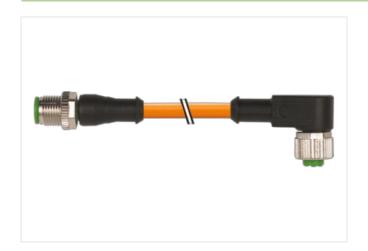
Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

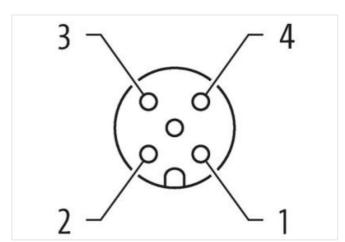
Plastic housings with good resistance against chemicals and oils.

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



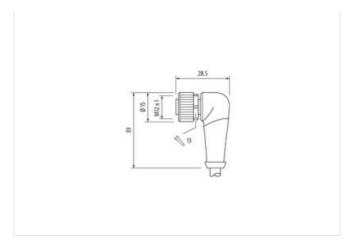


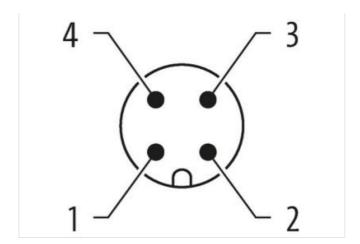






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Product may differ from Image













Cable length	10 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
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
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879558006
Packaging unit	1
Electrical data Supply	



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Operating voltage AC max.	
	250 V
Operating voltage DC max.	250 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Installation Connection	
Mounting set	M12 x 1
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Material group (IEC 60664-1)	I
Mechanical data Material data	
Coating locking	safe-cover coated
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data Mounting data	
, , , ,	installed agrained Chaling makeshing
Mounting method	inserted, screwed, Shaking protection
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.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation Cable	
wire arrangement	brown, black, blue, white
Cable identification	846
Cable Type	5
Jacket Color	orange
Type of Certificate	-
31	cURus
Approvals	
Approvals Amount stranding	cURus (AWM-Style 20549/10493), CE compliant, VASS 6 compliant, according to MgU-I-B09-41 (March 2021)
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Amount stranding	cURus (AWM-Style 20549/10493), CE compliant, VASS 6 compliant, according to MgU-I-B09-41 (March 2021)
Amount stranding Stranding	cURus (AWM-Style 20549/10493), CE compliant, VASS 6 compliant, according to MgU-I-B09-41 (March 2021) 1 4 wires twisted
Amount stranding Stranding wire arrangement	cURus (AWM-Style 20549/10493), CE compliant, VASS 6 compliant, according to MgU-I-B09-41 (March 2021) 1 4 wires twisted brown, black, blue, white
Amount stranding Stranding wire arrangement Cable weigth	cURus (AWM-Style 20549/10493), CE compliant, VASS 6 compliant, according to MgU-I-B09-41 (March 2021) 1 4 wires twisted brown, black, blue, white 38,5 g/m
Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	cURus (AWM-Style 20549/10493), CE compliant, VASS 6 compliant, according to MgU-I-B09-41 (March 2021) 1 4 wires twisted brown, black, blue, white 38,5 g/m PUR
Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	cURus (AWM-Style 20549/10493), CE compliant, VASS 6 compliant, according to MgU-I-B09-41 (March 2021) 1 4 wires twisted brown, black, blue, white 38,5 g/m PUR 54 ± 5 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,8 mm
Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	cURus (AWM-Style 20549/10493), CE compliant, VASS 6 compliant, according to MgU-I-B09-41 (March 2021) 1 4 wires twisted brown, black, blue, white 38,5 g/m PUR 54 ± 5 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,8 mm ± 5 %
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Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation	cURus (AWM-Style 20549/10493), CE compliant, VASS 6 compliant, according to MgU-I-B09-41 (March 2021) 1 4 wires twisted brown, black, blue, white 38,5 g/m PUR 54 ± 5 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,8 mm ± 5 % PP 4 1,25 mm
Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires	cURus (AWM-Style 20549/10493), CE compliant, VASS 6 compliant, according to MgU-I-B09-41 (March 2021) 1 4 wires twisted brown, black, blue, white 38,5 g/m PUR 54 ± 5 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,8 mm ± 5 % PP 4 1,25 mm ± 5 %
Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation	cURus (AWM-Style 20549/10493), CE compliant, VASS 6 compliant, according to MgU-I-B09-41 (March 2021) 1 4 wires twisted brown, black, blue, white 38,5 g/m PUR 54 ± 5 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,8 mm ± 5 % PP 4 1,25 mm ± 5 % 73 ± 5 Shore D
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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



Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,34 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	4,8 A
Electrical resistance line constant wire	60 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	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
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
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C horizontal
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	1 Mio.
Torsion stress	± 360 °/m
Torsion speed	35 cycles/min