

Y-Distributor M12 male / M8 female 0° A-cod.

PUR 3x0.25 ye UL/CSA+drag ch. 1m

Art.No.: 7000-40821-0300100

Weight: 0.073 Country of origin: DE

Model designation: MSAYTL0-FR030_1.0-FR030_1.0

Y-connector M12 – M8, 4/3-pole Male straight – females straight

M12, A-coded

Art-No. 7005 - M12/M8 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils.

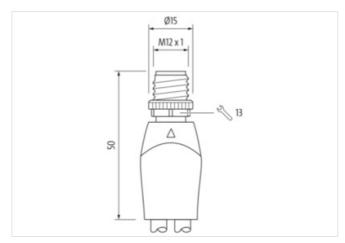
The resistance to aggressive media should be individually tested for your application. Further details on request.

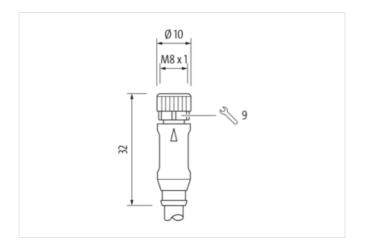
Further cable lengths on request.

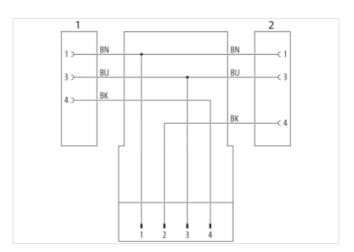
Link to Product

Illustration

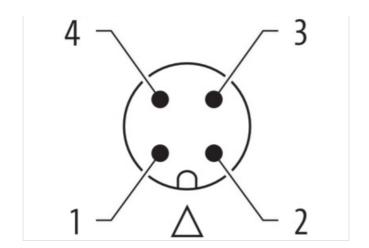


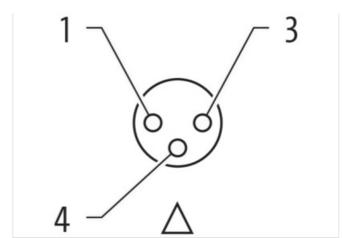


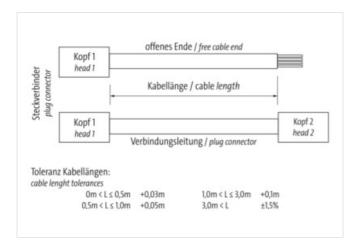


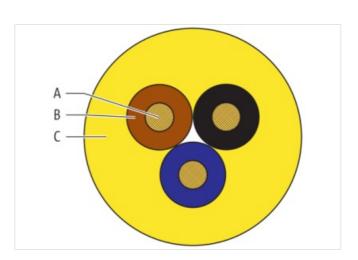


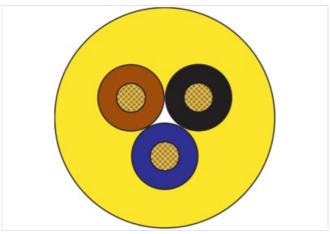












Product may differ from Image



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Header	
Material short text	MSAYTL0-FR030_1.0-FR030_1.0
Cable length	1,00 m
Side 1	
Family construction form	M8
No. of poles	3
Coding	A
Gender	female
Mounting method	inserted, screwed
Thread	M8 x 1
Tightening torque	0.4 Nm
Width across flats	SW9
Cable outlet	straight
suitable for corrugated tube (internal Ø)	6.5 mm
Material	PUR
Material contact	Copper alloy
Coating contact	gold plated
Degree of protection (EN IEC 60529)	IP67, IP66K, IP65
Side 2	
Family construction form	M8
No. of poles	3
Coding	A
Gender	female
Mounting method	inserted, screwed
Thread	M8 x 1
Tightening torque	0.4 Nm
Width across flats	SW9
Cable outlet	straight
suitable for corrugated tube (internal Ø)	6.5 mm
Material	PUR
Material contact	Copper alloy
Coating contact	gold plated
Degree of protection (EN IEC 60529)	IP67, IP66K, IP65
Side 3	
Family construction form	M12
No. of poles	
No. of polos	4
Coding	4 A

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: 2025-11-05



inserted, screwed M12 x 1 0.6 Nm SW13 straight PUR Copper alloy gold plated IP67, IP66K, IP65
0.6 Nm SW13 straight PUR Copper alloy gold plated
SW13 straight PUR Copper alloy gold plated
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PUR Copper alloy gold plated
Copper alloy gold plated
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1
50.1/
50 V
60 V
4 A
30 V
30 V
no
inserted, screwed
3
1.5 kV
I
Zinc die-casting
Nickeled
FKM



Mounting method	inserted, screwed, Snaking protection
Environmental characteristics Climatic	
Operating temperature min.	-30 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	- The state of the
, ,	Attention: Observe the nermissible handing radii when leving cables, as the ID protection class can be
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.
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Conformity	
Product standard	EN IEC 61076-2-101 (M12), EN/IEC 61076-2-104 (M8)
Installation Cable	
Cable identification	030
Cable Type	3
Amount stranding	1
Stranding	3 wires stranded
Wire arrangement	brown, black, blue
Cable weigth	24 g/m
Material wire insulation	PP P
Amount wires	3
Outer diameter insulation	1.25 mm
Outer diameter tolerance core insulation	± 0.05 mm
Shore hardness wire insulation	70 5 Shore D
Ingredient freeness wire insulation	CFC-free, cadmium-free, silicone-free, halogen-free, lead-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
Outer-diameter (jacket)	4.1 mm
Tolerance outer diameter (sheath)	± 5 %
Material jacket	PUR
Shore hardness jacket	90 5 Shore A
Freedom from ingredients (jacket)	CFC-free, cadmium-free, silicone-free, halogen-free, lead-free
Material property (jacket)	matte, good machinability, abrasion-resistant, low adhesion
Conductor resistance (wire)	79 Ω/km @ 20 °C
Nominal voltage AC max.	300 V
Withstand voltage (wire - wire)	2.5 kV @ 60 s
Withstand voltage (wire - jacket)	2.5 kV @ 60 s
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4.5 A
Min. operating temperature (static)	-40 °C
Max. operating temperature (static)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (drag chain)	-25 °C
Operating temperature max. (drag chain)	80 °C / 90 °C @ 10000 h Operation
Flame resistance	UL 1581 § 1090, CSA FT2, IEC 60332-2-2
Oil resistance	IEC 60811-404
Chemical resistance	good
	•
Other resistances	good resistance to gasoline, resistant to hydrolysis, resistant to microbes
Other resistances Bending radius (fixed)	good resistance to gasoline, resistant to hydrolysis, resistant to microbes 5 × 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
Acceleration (C-track)	10 m/s² @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	180 °/m
Torsion speed	35 cvcles/min