

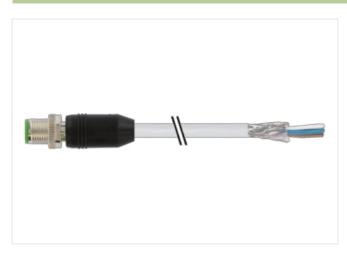
## M12 male 0° A-cod. with cable shielded

PUR 8x0.25 shielded gy UL/CSA+drag ch. 7.5m

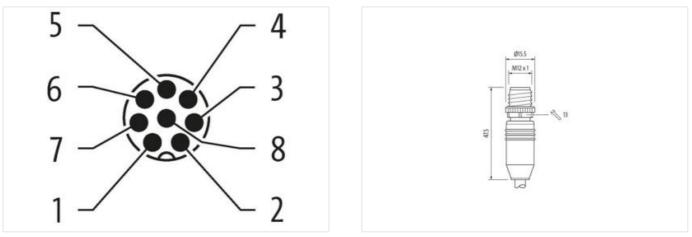
Male straight M12, 8-pole shielded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product

Illustration



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Product may differ from Image



7,5 m

0,6 Nm

Cable length

Side 1

Tightening torque

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Mounting method	inserted, screwed	
Family construction form	M12	
Thread	M12 x 1	
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	4048879196055	
Packaging unit	1	
Electrical data   Supply		
Operating voltage AC max.	30 V	
Operating voltage DC max.	30 V	
Operating voltage AC (UL-listed)	30 V	
Operating voltage DC (UL-listed)	30 V	
Current operating per contact max.	2 A	
	27	
Installation   Connection		
Mounting set	M12 x 1	
Device protection   Electrical		
Additional condition protection degree	inserted, screwed	
Pollution Degree	3	
Rated surge voltage	0,8 kV	
Material group (IEC 60664-1)	I	
Mechanical data   Material data		
Coating locking	Nickeled	
Coating of fitting	nickel plated	
Locking material	Zinc die-casting	
Material screw connection	Zinc die-casting	
Mechanical data   Mounting data		
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.	
Installation   Cable		
wire arrangement	brown, white, red, blue, pink, gray, yellow, green	
Cable identification	291	
Cable Type		
Jacket Color	3	
	gray	

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Type of Certificate	cURus	
Amount stranding	1	
Stranding	8 wires around Core filler twisted	
Cable shielding (type)	copper braid, tinned	
Cable shielding (coverage)	80 %	
Banding	Fleece, Foil	
Filler	yes	
wire arrangement	brown, white, red, blue, pink, gray, yellow, green	
Cable weigth	78,1 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)	7 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	
Diameter of single wires	0,1 mm	
Conductor crosssection (wire)	0,25 mm <sup>2</sup>	
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 kV @ 60 s	
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s	
AC withstand voltage (wire - shield)	2 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   IEC 60332-2-2   UL 1581 § 1090	
chemical resistance	Good, application-related testing	
Gasoline resistance	Good, application-related testing	
Oil resistance	DIN EN 60811-404   Good, application-related testing	
Bending radius (fixed)	5 x Outer diameter	
Bending radius (dynamic)	10 x Outer diameter	
No. of bending cycles (C-track)	5 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	2 Mio.	
Torsion stress	± 30 °/m	
Torsion speed	35 cycles/min	

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