

## M12 male 0° / M12 female 0° A-cod.

PUR 8x0.25 gy UL/CSA+drag ch. 2m

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.

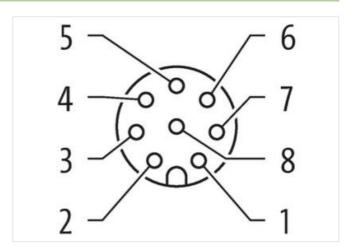
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

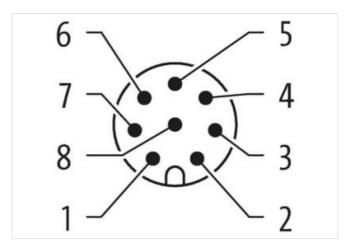
## **Link to Product**

## Illustration



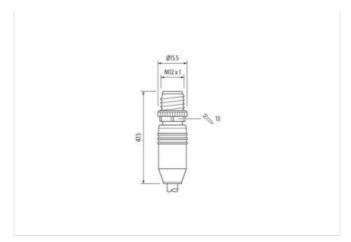


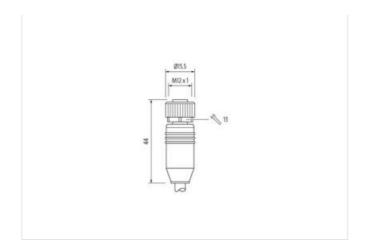






## stay connected





Product may differ from Image





Cable length	2 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	4048879139847
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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	0,8 kV	Rated surge voltage
	I	Material group (IEC 60664-1)
	atic	Environmental characteristics   Climatic
	-25 °C	Operating temperature min.
	85 °C	Operating temperature max.
depending on cable quality		Additional condition temperature range
	aoponamy on capie quant	Important installation notes
	<b>5</b>	
g. by the usage of cable ties.	<u> </u>	Note on strain relief
s the IP protection class can be	endangered by excessive	Note on bending radius
		Installation   Cable
	brown, white, red, blue, pi	wire arrangement
	292	Cable identification
	3	Cable Type
	gray	Jacket Color
	cURus	Type of Certificate
	1	Amount stranding
	8 wires around Core filler	Stranding
	yes	Filler
	brown, white, red, blue, pi	wire arrangement
	52,8 g/m	Cable weigth
	PUR	Material jacket
	90 ± 5 Shore A	Shore hardness jacket
	lead-free, cadmium-free,	Freedom from ingredients (jacket)
	5,8 mm	Outer-diameter (jacket)
	±5%	Tolerance outer diameter (sheath)
	PP	Material wire insulation
	8	Amount wires
	1,2 mm	Outer diameter insulation
	± 5 %	Outer diameter tolerance core insulation
	70 ± 5 Shore D	Shore hardness wire insulation
	lead-free, cadmium-free,	Ingredient freeness wire insulation
	32	Amount strands (wire)
	0,1 mm	Diameter of single wires
	0,25 mm <sup>2</sup>	Conductor crosssection (wire)
	Stranded copper wire, bar	Material conductor wire
	strand class 6	Conductor type (wire)
	300 V	Nominal voltage AC max.
	to DIN VDE 0298-4	Current load capacity (standard)
	3 A	Current load capacity min. wire
	79 Ω/km @ 20 °C	Electrical resistance line constant wire
	2,5 kV @ 60 s	AC withstand voltage (wire - wire)
	2,5 kV @ 60 s	Power frequency withstand voltage (wire - jacket)
	-40 °C	Min. operating temperature (static)
	80 °C / 90 °C @ 10000 h	Max. operating temperature (fixed)
	-25 °C	Operating temperature min. (dynamic)
	80 °C / 90 °C @ 10000 h	Operating temperature max. (dynamic)
	IEC 60332-2-2   UL 1581	Flame resistance
	Good, application-related	chemical resistance
	Good, application-related	Gasoline resistance
	DIN EN 60811-404   Good	Oil resistance
	5 x Outer diameter	Bending radius (fixed)
	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 -25 °C 80 °C / 90 °C @ 10000 h IEC 60332-2-2   UL 1581 Good, application-related Good, application-related DIN EN 60811-404   Good	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  Oil resistance



Bending radius (dynamic)	10 x 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	
No. of torsion cycles	2 Mio.	
Torsion stress	± 180 °/m	
Torsion speed	35 cvcles/min	