

## M12 female 0° A-cod. with cable

PVC 8x0.25 bk UL/CSA 3m

Female straight

M12, 8-pole

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

with cable sleeves

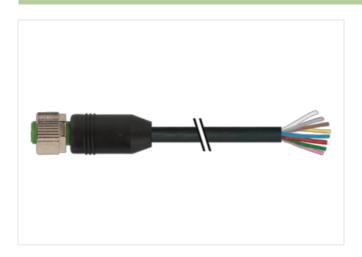
Plastic housings with good resistance against chemicals and oils.

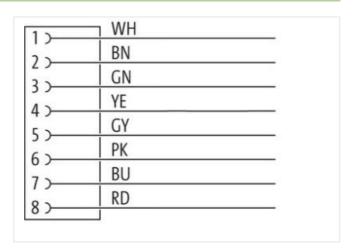
The resistance to aggressive media should be individually tested for your application. Further details on request.

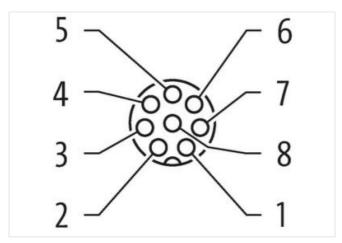
Further cable lengths on request.

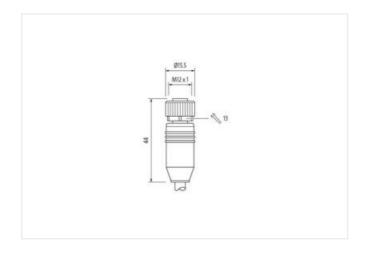
## **Link to Product**

## Illustration









Product may differ from Image











Cable length

3 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: 2024-05-06



stay connected

Mounting method	inserted, screwed
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
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879783071
Packaging unit	1
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 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	endangered by excessive bending forces.
Installation   Cable Cable identification	endangered by excessive bending forces.  607
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Cable identification	607
Cable identification Cable Type	607
Cable identification Cable Type Jacket Color	607 1 black
Cable identification Cable Type Jacket Color Type of Certificate	607  1 black cURus
Cable identification Cable Type Jacket Color Type of Certificate Amount stranding	607 1 black cURus 1
Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding	607  1 black cURus  1 8 wires around Core filler twisted
Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler	607  1 black cURus  1 8 wires around Core filler twisted yes
Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement	607  1 black cURus 1 8 wires around Core filler twisted yes brown, white, red, blue, pink, gray, yellow, green
Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth	607  1 black cURus  1 8 wires around Core filler twisted yes brown, white, red, blue, pink, gray, yellow, green 58,3 g/m
Cable identification Cable Type  Jacket Color Type of Certificate  Amount stranding Stranding Filler wire arrangement Cable weigth  Material jacket	607  1 black cURus 1 8 wires around Core filler twisted yes brown, white, red, blue, pink, gray, yellow, green 58,3 g/m PVC
Cable identification Cable Type  Jacket Color Type of Certificate  Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket	607  1 black cURus 1 8 wires around Core filler twisted yes brown, white, red, blue, pink, gray, yellow, green 58,3 g/m PVC 85 ± 5 Shore A

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Material wire insulation	PVC
Amount wires	8
Outer diameter insulation	1,2 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	45 ± 5 Shore D
Material properties wire insulation	good machinability
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-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
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
UV resistance	DIN EN ISO 4892-2 A
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