

M12 male 0° / M12 female 0° A-cod.

PUR 8x0.25 gy UL/CSA+drag ch. 1m

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**

1	WH	↔	1
2	BN	↔	2
3	GN	↔	3
4	YE	↔	4
5	GY	↔	5
6	PK	↔	6
7	BU	↔	7
8	RD	↔	8





Product may differ from Image



Cable length	1 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	4048879139861
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	30 V
Operating voltage DC max.	30 V
Device protection Electrical	
Pollution Degree	3

Rated surge voltage	0,8 kV
---------------------	--------

Material group (IEC 60664-1)	I
------------------------------	---

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

Cable identification	292
----------------------	-----

Cable Type	3
------------	---

Jacket Color	gray
--------------	------

Type of Certificate	cURus
---------------------	-------

Amount stranding	1
------------------	---

Stranding	8 wires around Core filler twisted
-----------	------------------------------------

Filler	yes
--------	-----

wire arrangement	brown, white, red, blue, pink, gray, yellow, green
------------------	--

Cable weighth	52,8 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)	5,8 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 crossection (wire)	0,25 mm²
------------------------------	----------

Material conductor wire	Stranded copper wire, bare
-------------------------	----------------------------

Conductor type (wire)	strand class 6
-----------------------	----------------

Traversing distance (C-track)	10 m @ 25 °C horizontal
-------------------------------	---------------------------

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)	2,5 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 § 1100 FT2 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
Travel speed (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min