

M12 male 0° / M8 female 90° A-cod.

PVC 4x0.25 bk UL/CSA 5m

Male straight – female 90°

M12 – M8, 4-pole

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 naar het product](#)**Afbeelding**



Product van afwijken van afbeelding



Cable length	5 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Cable outlet	straight
Coding	A
Material	PUR
No. of poles	4
Width across flats	SW13
Side 2	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal Ø)	6,5 mm
Cable outlet	angled
Coding	A
Material	PUR
No. of poles	4
Width across flats	SW9
Commerciële gegevens	
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
Douane tarief nummer	85444290

GTIN	4048879160285
------	---------------

Verpakkingseenheid	1
--------------------	---

Electrical data | Supply

Operating voltage AC max.	50 V
---------------------------	------

Operating voltage DC max.	60 V
---------------------------	------

Operating voltage AC (UL-listed)	30 V
----------------------------------	------

Operating voltage DC (UL-listed)	30 V
----------------------------------	------

Current operating per contact max.	4 A
------------------------------------	-----

Device protection | Electrical

Degree of protection (EN IEC 60529)	IP65, IP67, IP66K
-------------------------------------	-------------------

Additional condition protection degree	inserted, screwed
--	-------------------

Pollution Degree	3
------------------	---

Rated surge voltage	1,5 kV
---------------------	--------

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

Mechanical data | Material data

Coating locking	Nickeled
-----------------	----------

Coating of fitting	nickel plated
--------------------	---------------

Color housing	black
---------------	-------

Color contact carrier	green
-----------------------	-------

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.
------------------------	---

Conformity

Product standard	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
------------------	---

Installation | Cable

Cable identification	611
----------------------	-----

Cable Type	1
------------	---

Jacket Color	black
--------------	-------

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

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

Stranding	4 wires twisted
-----------	-----------------

wire arrangement	brown, black, blue, white
------------------	---------------------------

Cable weight	34,76 g/m
--------------	-----------

Material jacket	PVC
-----------------	-----

Shore hardness jacket	85 ± 5 Shore A
-----------------------	----------------

Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
-----------------------------------	--

Outer-diameter (jacket)	4,8 mm
-------------------------	--------

Tolerance outer diameter (sheath)	± 5 %
-----------------------------------	-------

Material wire insulation	PVC
--------------------------	-----

Amount wires	4
--------------	---

Outer diameter insulation	1,25 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)	14
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,25 mm ²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	3,6 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	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
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