

M12 male 0° / M12 female 0° A-cod. shielded V4A

PVC 12x0.14 shielded bk 2m

Male straight – female straight

M12 – M12, 12-pole

Stainless steel 1.4404 (V4A)

shielded

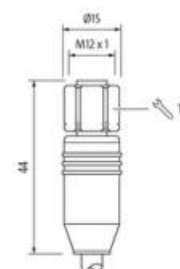
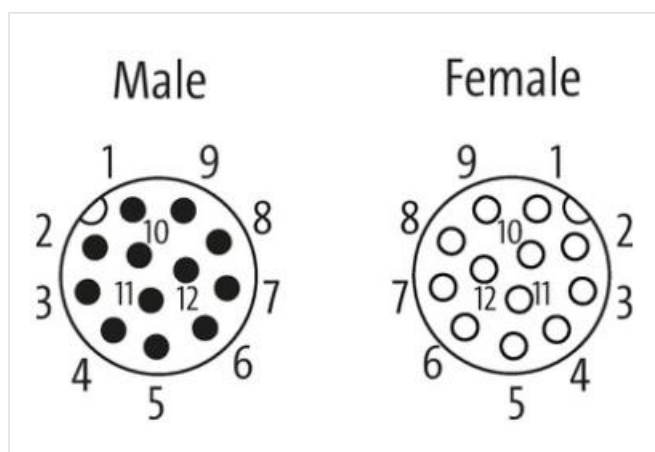
Plastic housings with good resistance against chemicals and oils.

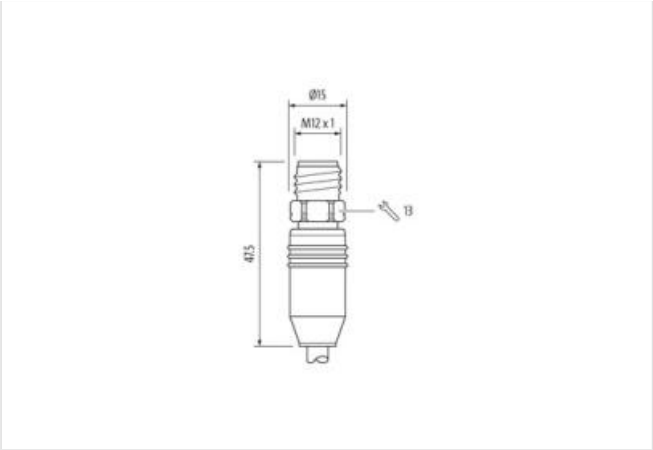
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

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

1	brown	1
2	blue	2
3	white	3
4	green	4
5	pink	5
6	yellow	6
7	black	7
8	gray	8
9	red	9
10	violet	10
11	gray/pink	11
12	red/blue	12
Shield		





Product van afwijken van afbeelding



Cable length	2 m
Side 1	
Tightening torque	0,6 Nm
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Coding	A
Material contact	Copper alloy
No. of poles	12
Width across flats	SW13
Side 2	
Tightening torque	0,6 Nm
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Coding	A
Material contact	Copper alloy
No. of poles	12
Commerciële gegevens	
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
Douane tarief nummer	85444290
GTIN	4048879756358
Verpakkingseenheid	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.	1,5 A

Diagnostics

Status indication LED	no
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Device protection | Electrical

Degree of protection (EN IEC 60529)	IP67
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV

Mechanical data

Contour for corrugated hose	without
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Mechanical data | Material data

Material gasket	FKM
Material housing	PUR
Locking material	Stainless steel 1.4404 (V4A)

Mechanical data | Mounting data

Mounting method	inserted, screwed, Shaking protection
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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)
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Installation | Cable

Cable identification	148
Jacket Color	gray
Type of Certificate	cURus
Amount stranding	4
Stranding	2 wires twisted
Amount stranding (type 2)	1
Stranding (type 2)	4 Stranded joints twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Banding	Fleece, Foil, conductive sliding winding
wire arrangement	(white, blue), (white, orange), (white, green), (white, brown)
Cable weight	62,7 g/m
Material jacket	PUR
Freedom from ingredients (jacket)	lead-free, CFC-free, halogen-free
Outer-diameter (jacket)	7 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	Polyolefin
Amount wires	8
Outer diameter insulation	1 mm
Outer diameter tolerance core insulation	± 5 %

Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Amount strands (wire)	7
Diameter of single wires	0,16 mm
Conductor crosssection (wire)	26 AWG
Material conductor wire	copper stranded wire, tinned
Nominal voltage AC max.	125 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	2 A
Characteristic impedance	100 $\Omega \pm 15\%$ @ 1 MHz
Electrical resistance line constant wire	134 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	0,75 kV @ 60 s
Electric capacitance	50000 pF/km
AC withstand voltage (wire - shield)	0,75 kV @ 60 s
Loop resistance	5000 M Ω
Loop resistance	290 Ω/km
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-10 °C
Operating temperature max. (dynamic)	70 °C
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	Good, application-related testing DIN EN 60811-404
Bending radius (fixed)	8 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter