

M12 female 90° A-cod. with cable F&B Pro

TPE-S 8x0.25 bu UL robot+drag ch. 3m

Plug Connectors for Food & Beverage

Further cable lengths on request.

Female 90°

M12 F&B Pro

8-pole

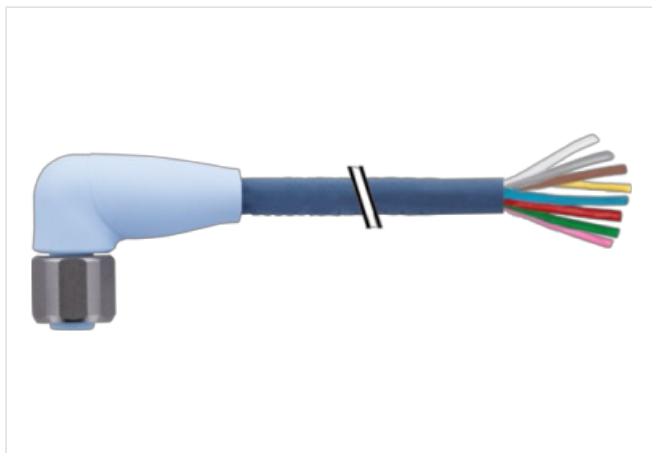
Stainless steel 1.4404 (V4A)

without cable sleeves

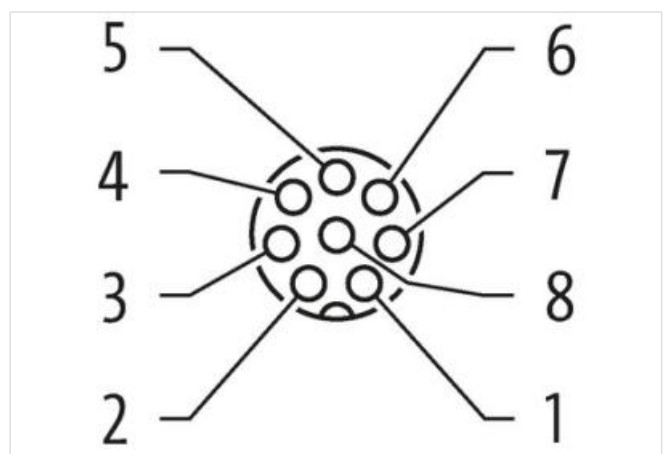
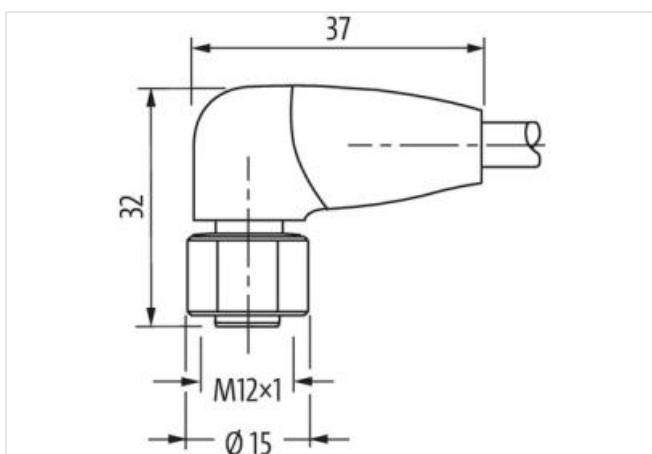
IP69K

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.

[Link to Product](#)**Illustration**

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



Product may differ from Image



Cable length 3 m

Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Coding	A
Material contact	Copper alloy
No. of poles	8
Width across flats	SW14
Degree of protection (EN IEC 60529)	IP65, IP68, IP69K
Side 2	
Stripping length (jacket)	60 mm
Coating contact	gold plated
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	4048879761703
Packaging unit	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.	2 A
Diagnostics	
Status indication LED	no
Installation Connection	
Stripping length (jacket)	60 mm
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	I
Mechanical data	
Contour for corrugated hose	without
Mechanical data Material data	
Color contact carrier	ice blue
Material gasket	EPDM
Material housing	PP
Material contact carrier	PP

Locking material

Stainless steel 1.4404 (V4A)

Mechanical data | Mounting data

Mounting method

inserted, screwed, Shaking protection

Environmental characteristics | Climatic

Operating temperature min.

-40 °C

Operating temperature max.

105 °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), FDA conform

Installation | Cable

wire arrangement

brown, white, red, blue, pink, gray, yellow, green

Cable identification

312

Jacket Color

blue

Amount stranding

1

Stranding

8 wires around Core filler twisted

Filler

yes

wire arrangement

brown, white, red, blue, pink, gray, yellow, green

Cable weigth

49,61 g/m

Material jacket

TPE-S

Shore hardness jacket

47 ± 5 Shore D

Freedom from ingredients (jacket)

lead-free, cadmium-free, CFC-free, halogen-free, silicone-free

Outer-diameter (jacket)

6,3 mm

Tolerance outer diameter (sheath)

± 5 %

Material wire insulation

PP

Amount wires

8

Outer diameter insulation

1,17 mm

Outer diameter tolerance core insulation

± 5 %

Shore hardness wire insulation

64 ± 3 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

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

78 Ω/km @ 20 °C

AC withstand voltage (wire - wire)

3 kV @ 60 s

Min. operating temperature (static)

-40 °C

Max. operating temperature (fixed)

105 °C

Operating temperature min. (dynamic)

-25 °C

Operating temperature max. (dynamic)

105 °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)

5 x Outer diameter

Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	4 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 cycles/min