

M12 male 0° / M12 female 0° A-cod.

TPE 8x22AWG gy UL/CSA. ITC/PLTC 1m

Cable is approved for 300 V

Male straight – female straight

M12 – M12, 8-pole

USA

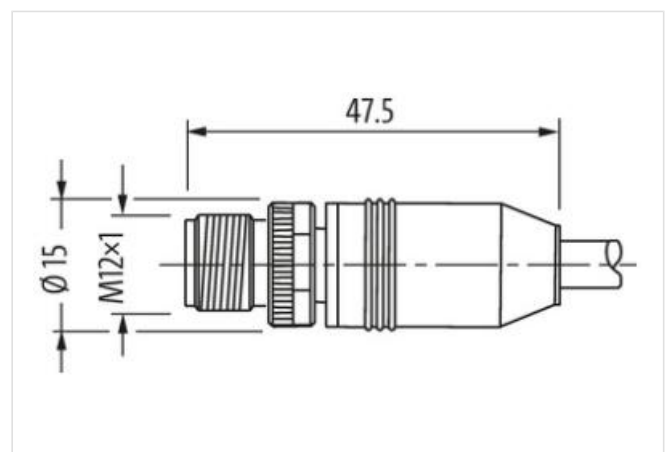
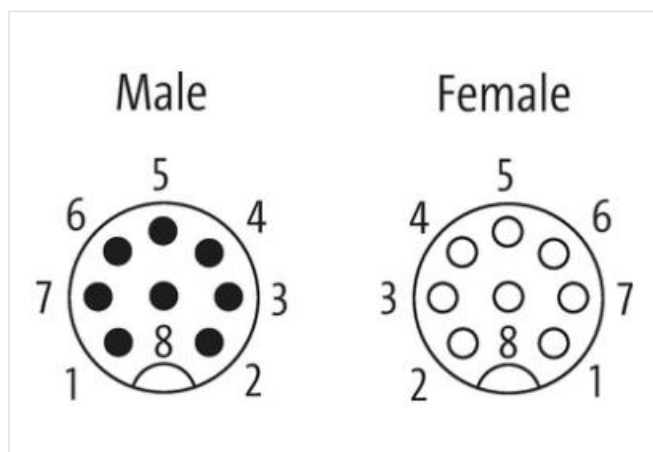
Plastic housings with good resistance against chemicals and oils.

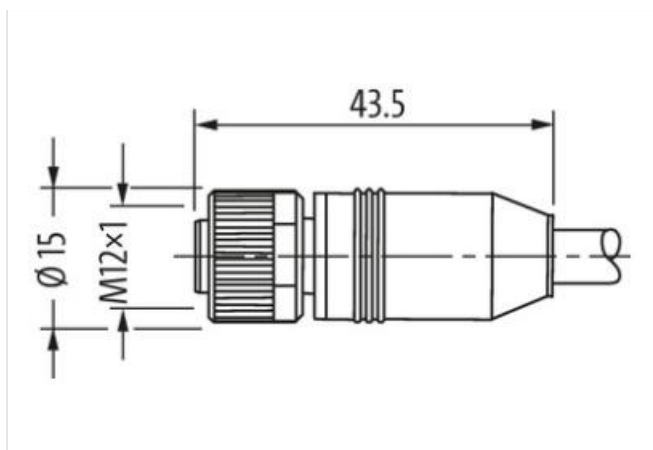
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

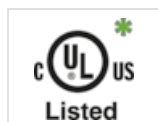
[Link to Product](#)**Illustration**

1	white	1
2	brown	2
3	green	3
4	yellow	4
5	gray	5
6	pink	6
7	blue	7
8	red	8





Product may differ from Image



* only for products with UL/CSA approved cable

Form

Form 48001

Technical Data

Operating voltage	max. 30 V AC/DC
Operating voltage (only UL listed)	max. 30 V AC/DC
Rated surge voltage	0.8 kV
Operating current per contact	max. 2 A
No. of poles	8
Material group	IEC 60664-1, category I
Coding	A-coded
LED display	no
Locking of ports	Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing
Protection	IP65 and IP67 when plugged and screwed down (EN 60529)
Material	PUR
Locking material	Zinc die casting, matte nickel plated
suitable for corrugated tube (internal Ø)	without
Compression gland	M12 (SW13)

General data

Standards	DIN EN 61076-2-101 (M12)
Mounting method	inserted, tightened
Material (contact)	Copper alloy
Material (contact surface)	Au
Material (gasket)	FKM
Pollution Degree	3
Temperature range	-25...+85 °C, depending on cable quality

Cables

Cable identification	U2H
Approval (cable)	UL (AWM-Style 20626/1731), CSA; CE conform
Cable weight [g/m]	70,4 g
Material (wire)	Cu wire, bare
Resistor (core)	max. 46.9 Ω/km (20 °C)
Single wire Ø (core)	0.16 mm

Construction (core)	19× 0.16 mm (multi-strand wire class 5)
Diameter (core)	1× 8× AWG22/19 (0.382)
Material (wire isolation)	semi-rigid PVC
Wire-Ø incl. isolation	1.27m ±5%
Color/numbering of wires	br, wh, rd, bl, pk, gr, ye, gn
Stranding combination	8 wires twisted around central filler
Material (jacket)	TPE
Outer-Ø (jacket)	6.7 mm ±5%
Color (jacket)	gray
Jacket Color	gray
chemical resistance	good resistance to oil, gasoline and chemicals
thermal resistance	flame retardant
Nominal voltage	300 V AC
Test voltage	2000 V AC
Current load capacity	to DIN VDE 0298-4
Temperature range (fixed)	-40...+105 °C
Temperature range (mobile)	-20...+90 °C
Bend radius (fixed)	5× outer Ø
Bend radius (moving)	10× outer Ø
No. of bending cycles (C-track)	max. 10 Mio. (25 °C)
Torsion stress	±180°/m
Product article number of manufacturer	7700-48001-U2H0100
Cable length	1 m