

**M12 male 0° with cable**

TPE 8x22AWG gy UL/CSA, ITC/PLTC 3m

USA

Male straight

M12, 8-pole

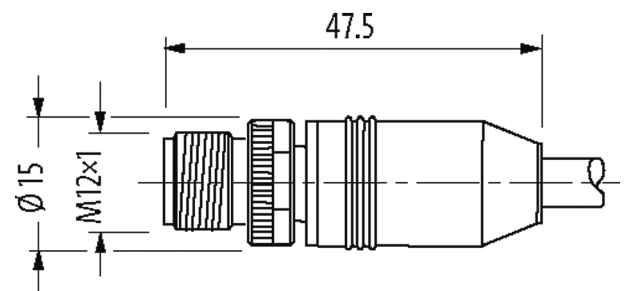
without cable sleeves

Cable is approved for 300 V

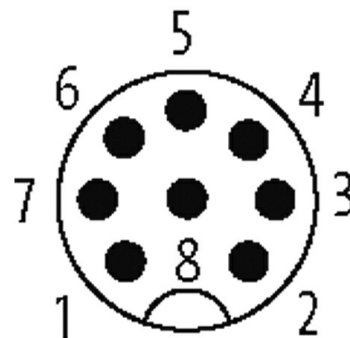
Plastic housings with good resistance against chemicals and oils.

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**

Male



Product may differ from Image

**Approvals**

\* only for products with UL/CSA approved cable

**Form**

Form 17001

**General data**

Standards	DIN EN 61076-2-101 (M12)
Mounting method	inserted, tightened
Pollution Degree	3
Stripping length (jacket)	60 mm
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]	70,40
Material (wire)	Cu wire, bare
Resistor (core)	max. 46.9 $\Omega$ /km (20 °C)
Single wire $\varnothing$ (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- $\varnothing$ incl. isolation	1.27m $\pm$ 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- $\varnothing$ (jacket)	6.7 mm $\pm$ 5%
Color (jacket)	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 $\varnothing$
Bend radius (moving)	10× outer $\varnothing$
No. of bending cycles (C-track)	max. 10 Mio. (25 °C)
Torsion stress	$\pm$ 180°/m
Jacket Color	gray

**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
Material group	IEC 60664-1, category I
Coding	A-coded
Locking of ports	Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing
Compression gland	M12 (SW13)
Protection	IP65, IP66K, IP67 inserted and tightened (EN 60529)
Locking material	Zinc die casting, matte nickel plated
Material	PUR
suitable for corrugated tube (internal $\varnothing$ )	without

**Commercial data**

country of origin	DE
customs tariff number	85444290
EAN	4048879763042
eClass	27279218
Packaging unit	1

**Sketch**

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

Product may differ from Image