

M12 male 0° / M12 female 90° A-cod.

TPE 4x22AWG ye UL/CSA. ITC/PLTC 1m

Art.No.: 7700-40121-U040100
Weight: 0.072 kg
Country of origin: US
Model designation: MSDL0-A-TU04_1.0

Male straight – female 90°

M12 – M12, 4-pole

USA

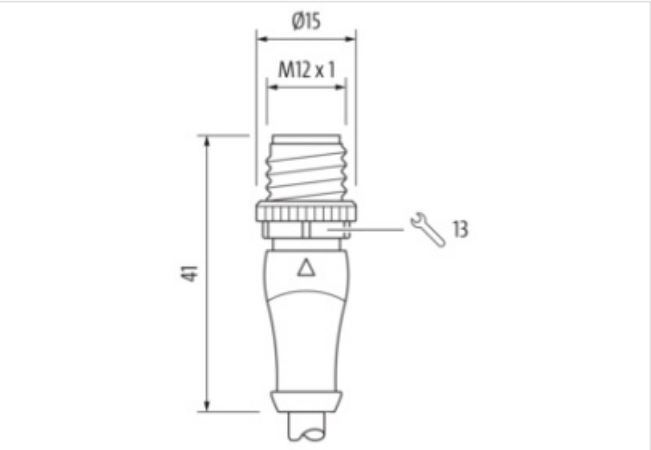
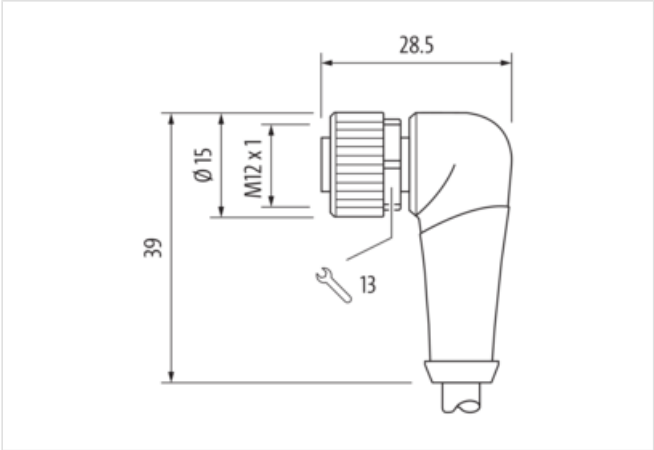
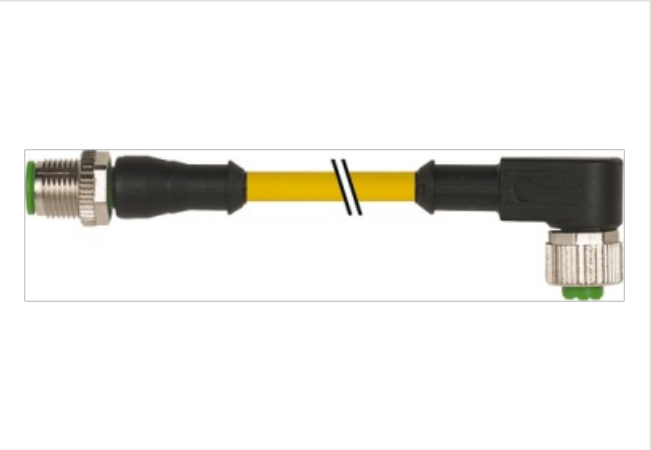
Plastic housings with good resistance against chemicals and oils.

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

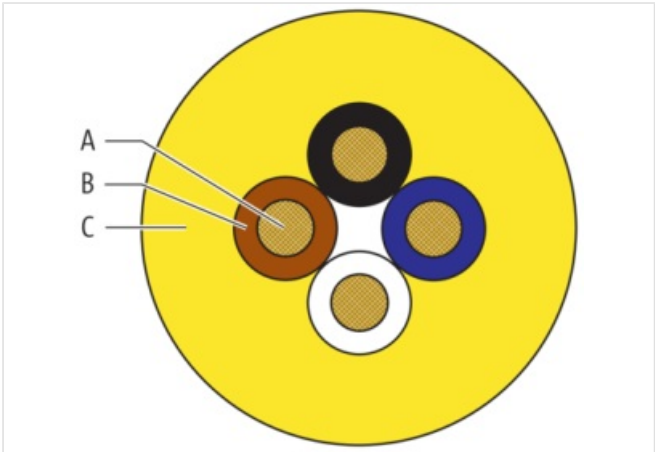
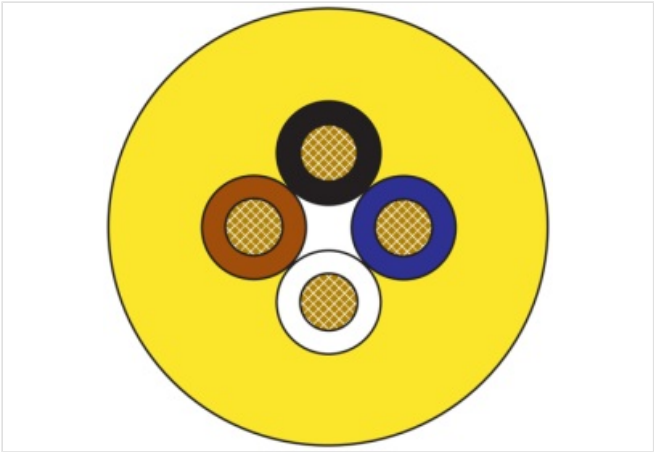
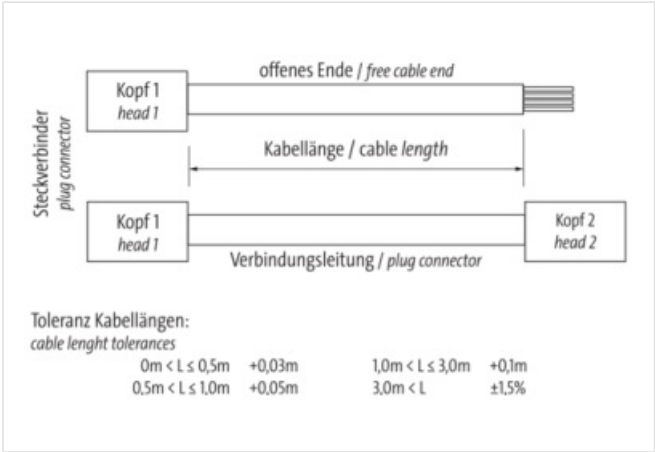
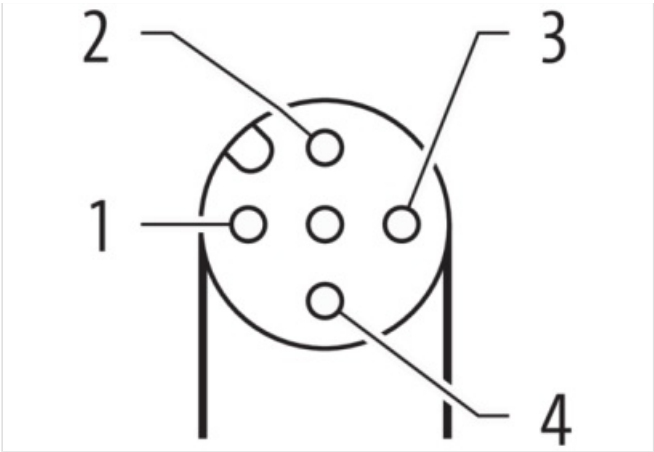
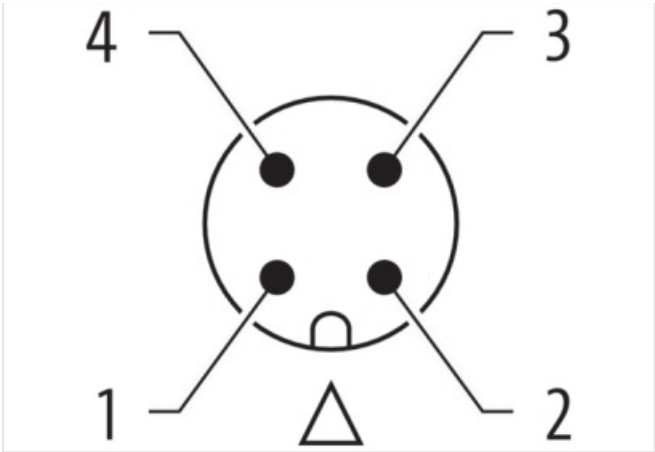
Further cable lengths on request.

[Link to Product](#)

Illustration



1	BN	1
2	WH	2
3	BU	3
4	BK	4



Product may differ from Image



Header

Material short text MSDL0-A-TU04_1.0

Cable length 1,00 m

Side 1

Family construction form	M12
No. of poles	4
Coding	A
Mounting method	inserted, screwed
Threaded hole	M12 x 1
Tightening torque	0,6 Nm
Width across flats	SW13
Cable outlet	straight
suitable for corrugated tube (internal Ø)	10 mm

Side 2

Family construction form	M12
No. of poles	4
Coding	A
Mounting method	inserted, screwed
Threaded hole	M12 x 1
Tightening torque	0,6 Nm
Width across flats	SW13
Cable outlet	angled
suitable for corrugated tube (internal Ø)	10 mm

Commercial data

URL Webshop	https://shop.murrelektronik.com/7700-40121-U040100
GTIN	4048879750875
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-7.1	27279218
ECLASS-8.0	27279218
ECLASS-8.1	27279218
ECLASS-9.0	27060311
ECLASS-9.1	27060311
ECLASS-10.0.1	27060311
ECLASS-10.1	27060311
ECLASS-11.0	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ECLASS-13.0	27060311
ECLASS-14.0	27060311
ETIM-5.0	EC001855
ETIM-6.0	EC001855
ETIM-7.0	EC001855
ETIM-8.0	EC001855
customs tariff number	85444290
EAN	4048879750875
Packaging unit	1

Electrical data | Supply

Operating voltage AC max.	250 V
Operating voltage DC max.	250 V
Current operating per contact max.	4 A

Device protection | Electrical

Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	2,5 kV

Material group (IEC 60664-1)

I

Mechanical data | Material data

Locking material Zinc die-casting

Coating locking Nickeled

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 bending radius **Attention:** Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.

Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.

Conformity

Product standard EN IEC 61076-2-101 (M12)

Installation | Cable

Cable identification U04

Amount stranding 1

Stranding 4 wires stranded

Wire arrangement brown, black, blue, white

Cable weight 45 g/m

Material wire insulation PVC

Amount wires 4

Outer diameter insulation 1,27 mm

Outer diameter tolerance core insulation $\pm 0,05$ mm

Ingredient freeness wire insulation lead-free, CFC-free

Amount strands (wire) 19

Diameter of single wires 34 AWG

Conductor crosssection (wire) 22 AWG

Material conductor wire Stranded copper wire, bare

Outer-diameter (jacket) 5,36 mm

Tolerance outer diameter (sheath) ± 5 %

Material jacket TPE

Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free

Conductor resistance (wire) 46.9 Ω /km @ 20 °C

Nominal voltage max. 300 V

Withstand voltage (wire - wire) 2 kV @ 60 s

Withstand voltage (wire - jacket) 2 kV @ 60 s

Current load capacity (standard) to DIN VDE 0298-4

Current load capacity max. (wire) 4,8 A

Operating temperature min. (static) -40 °C

Operating temperature max. (static) 105 °C

Operating temperature min. (dynamic) -20 °C

Operating temperature max. (dynamic) 90 °C

Flame resistance CSA FT4

Oil resistance good

Bending radius (fixed) 5 × Outer diameter

Bending radius (dynamic) 10 × Outer diameter

No. of bending cycles (C-track) 10 Mio. @ 25 °C

No. of torsion cycles 3 Mio.

Torsion stress 180 °/m