

### M12 female 90° A-cod. with cable

TPE 5x22AWG ye UL/CSA. ITC/PLTC 10m

Art.No.: 7700-12361-U051000

Weight: 0.608 kg

Country of origin: DE

Model designation: MSDL0-UU05\_10.0

#### Advantages of our connectors:

Our connectors are versatile and specially optimised for industrial environments. All connectors are 100% tested during the manufacturing process to ensure the highest quality and reliability.

The contacts are gold-plated, which ensures optimum conductivity. Thanks to the high degree of protection, the connectors are ideal for demanding industrial environments. They are also vibration-resistant - this is ensured by the union nut with vibration protection.

Our connectors are resistant to oils and cooling lubricants, but resistance to aggressive media should be tested for each specific application. Different cable lengths available [on request](#)

If you are missing technical information? Please feel free to use our [dictionary](#) to find more technical details.

#### Product details:

Female 90°

M12, 5-pole

USA

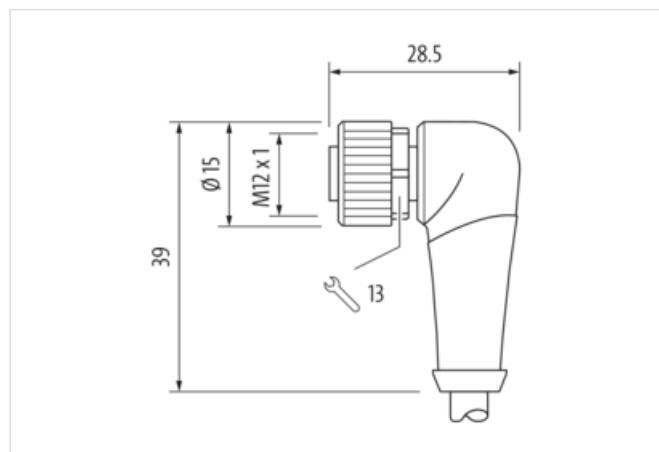
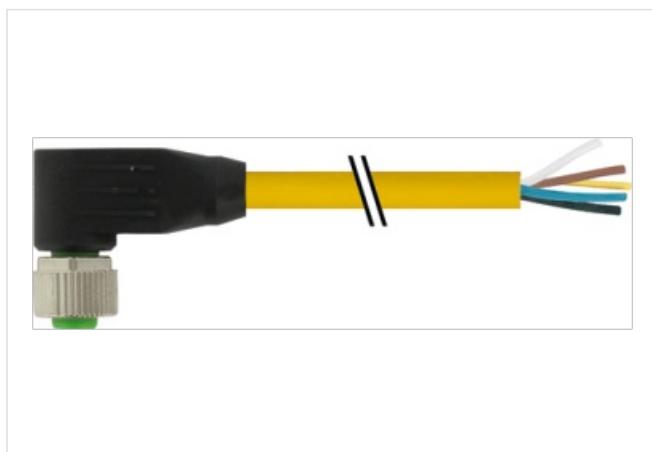
Plastic housings with good resistance against chemicals and oils.

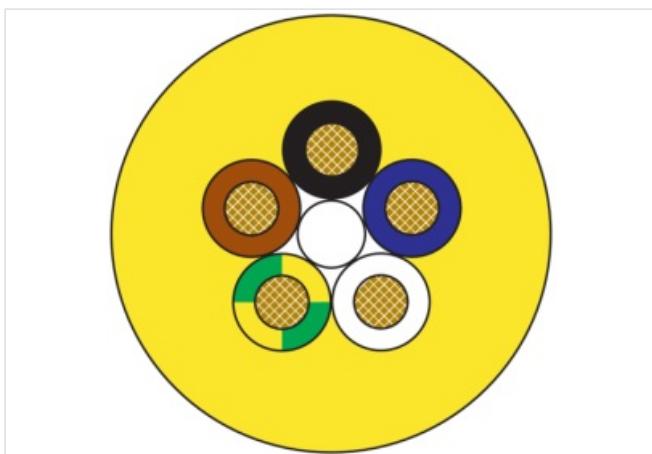
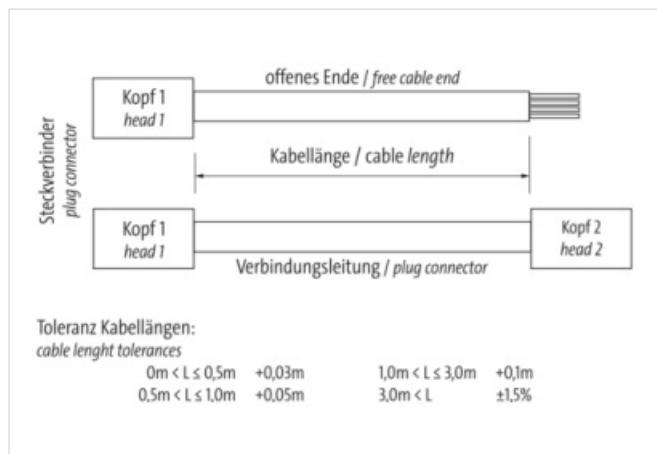
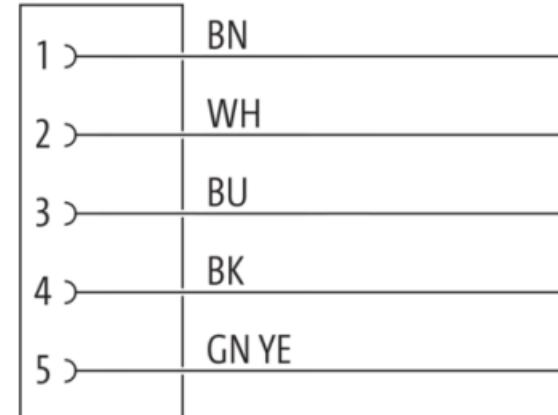
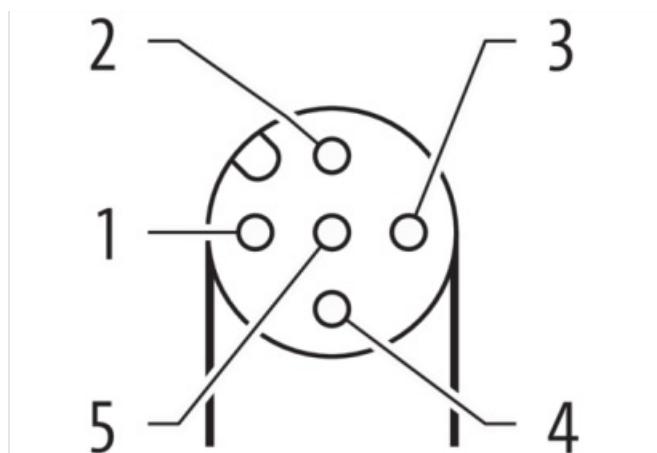
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

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

##### Illustration





Product may differ from Image



#### Header

Material short text MSDL0-UU05\_10.0

Cable length 10,00 m

#### Side 1

Family construction form M12

No. of poles 5

Coding A

Mounting method inserted, screwed

Threaded hole M12 x 1

Width across flats SW13

Material contact Copper alloy

Coating contact gold plated

#### Side 2

Family construction form free cable end

Stripping length (jacket) 20 mm

#### Commercial data

URL Webshop <https://shop.murrelektronik.com/7700-12361-U051000>

GTIN 4048879743877

ECCLASS-6.0	27279218
ECCLASS-6.1	27279218
ECCLASS-7.0	27279218
ECCLASS-7.1	27279218
ECCLASS-8.0	27279218
ECCLASS-8.1	27279218
ECCLASS-9.0	27060311
ECCLASS-9.1	27060311
ECCLASS-10.0.1	27060311
ECCLASS-10.1	27060311
ECCLASS-11.0	27060311
ECCLASS-11.1	27060311
ECCLASS-12.0	27060311
ECCLASS-13.0	27060311
ECCLASS-14.0	27060311
ETIM-5.0	EC001855
ETIM-6.0	EC001855
ETIM-7.0	EC001855
ETIM-8.0	EC001855
customs tariff number	85444290
EAN	4048879743877
Packaging unit	1

#### Electrical data | Supply

Operating voltage AC max.	125 V
Operating voltage DC max.	125 V
Current operating per contact max.	4 A

#### Device protection | Electrical

Degree of protection (EN IEC 60529)	IP67, IP66K, IP65
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	I

#### Mechanical data | Material data

Locking material	Zinc die-casting
Coating locking	nickel plated

#### 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	<b>Attention:</b> 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)
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#### Installation | Cable

Cable identification	U05
Stranding	1 x 5 wires around core filler twisted
Filler	Yes
Wire arrangement	brown, black, blue, white, green-yellow
Cable weight	54 g/m
Material wire insulation	PVC
Amount wires	5

Outer diameter insulation	1,27 mm
Outer diameter tolerance core insulation	± 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)	5,72 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)	4,5 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.
No. of torsion cycles	3 Mio.
Torsion stress	± 180 °/m