

**MQ12 male 0° / MQ12 female 0° A-cod.**

PVC 4x0.34 bk UL/CSA 10m

Art.No.: 7050-40021-6141000

Weight: 0.415

Country of origin: DE

Model designation: MSBL0-A-T614\_10.0-S50

**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:**

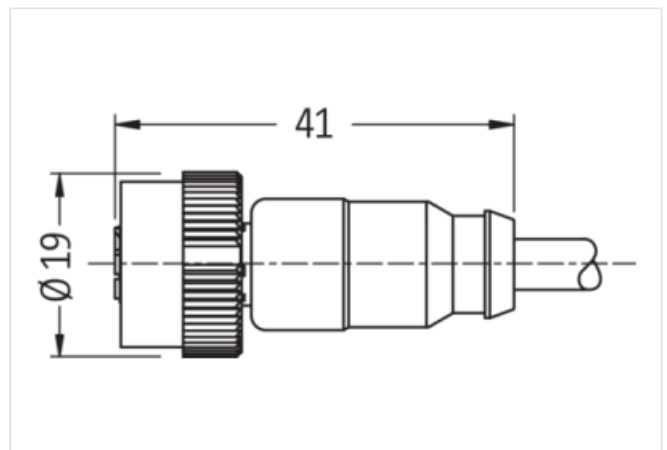
Male straight – female straight

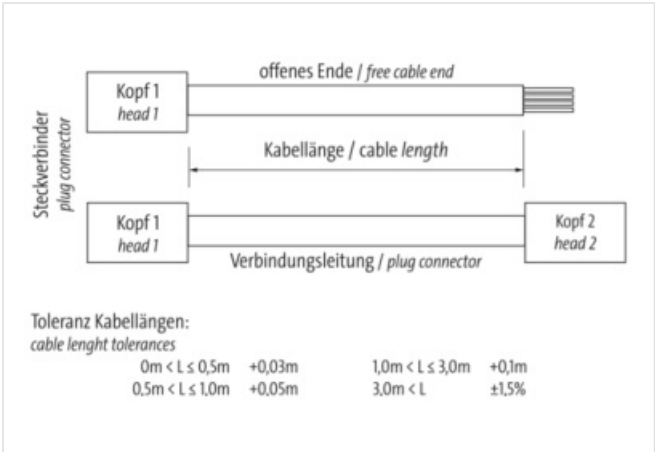
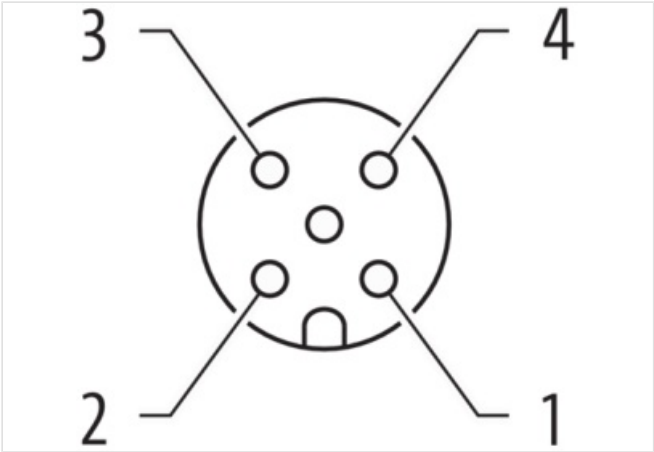
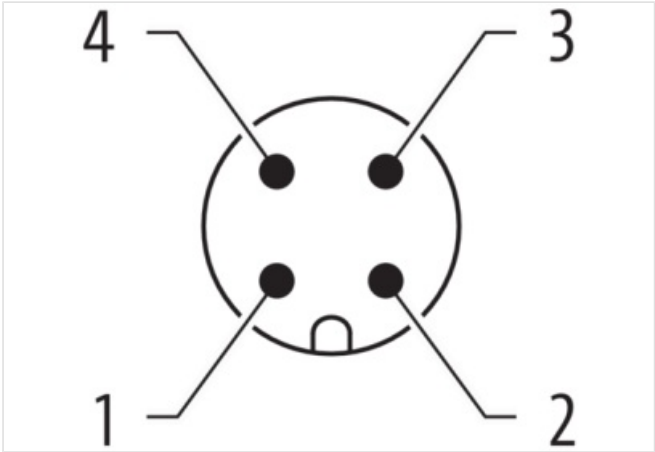
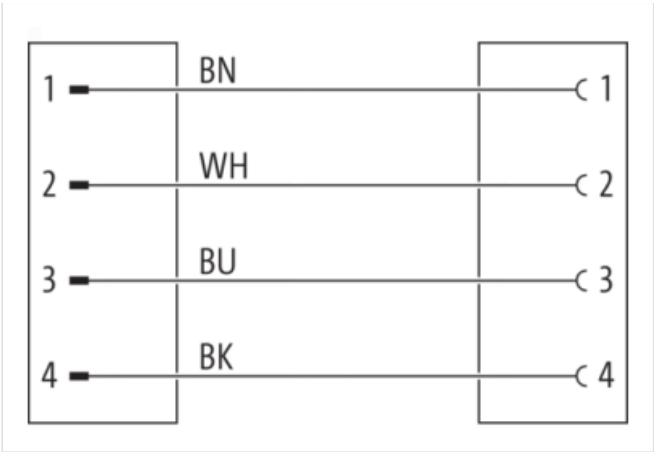
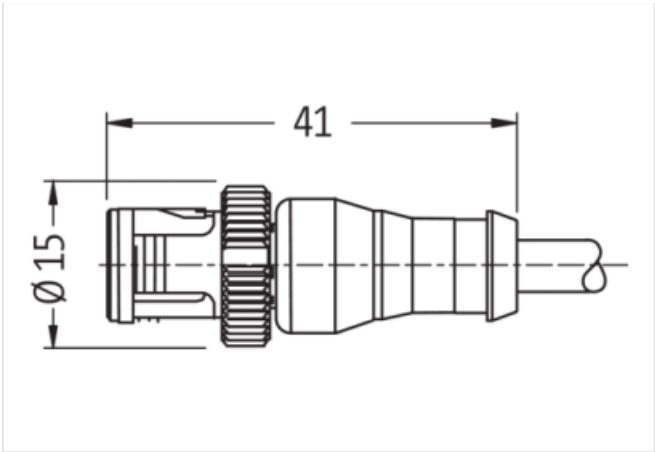
MQ12 – MQ12, 4-pole

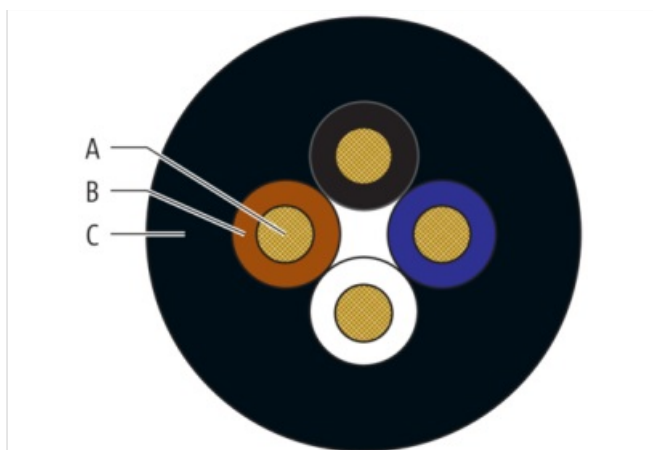
Further cable lengths on request.

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**





Product may differ from Image

**Header**

Cable length 10,00 m

**Side 1**

Family construction form MQ12  
Degree of protection (EN IEC 60529) IP67, IP65

**Side 2**

Family construction form MQ12  
Degree of protection (EN IEC 60529) IP67, IP65

**Commercial data**

URL Webshop <https://shop.murrelektronik.com/7050-40021-6141000>  
customs tariff number 85444290  
EAN 4048879106337  
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  
Rated surge voltage 2,5 kV

**Mechanical data | Mounting data**

Mounting method inserted, screwed  
Looking techniques bayonet-locking

**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.

Installation   Cable	
Cable identification	614
Cable Type	1
Amount stranding	1
Stranding	4 wires stranded
Wire arrangement	brown, Black, blue, white
Cable weight	37 g/m
Material wire insulation	PVC
Amount wires	4
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	± 0,05 mm
Shore hardness wire insulation	45 ± 5 Shore D
Material properties wire insulation	good machinability
Ingredient freeness wire insulation	CFC-free, cadmium-free, silicone-free, lead-free
Amount strands (wire)	19
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
Outer-diameter (jacket)	5 mm
Tolerance outer diameter (sheath)	± 5 %
Material jacket	PVC
Shore hardness jacket	85 ± 5 Shore A
Freedom from ingredients (jacket)	CFC-free, cadmium-free, silicone-free, lead-free
Material property (jacket)	good machinability
Conductor resistance (wire)	57 Ω/km @ 20 °C
Nominal voltage AC 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 min. wire	4,8 A
Min. operating temperature (static)	-30 °C
Max. operating temperature (static)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
Flame resistance	UL 1581 § 1080, CSA FT1, IEC 60332-1-2
Oil resistance	good
Chemical resistance	good
Other resistances	good resistance to gasoline
Bending radius (fixed)	5 × Outer diameter
Bending radius (dynamic)	10 × Outer diameter