

**Mini (7/8) 5 pole, Male (Ext.) 0°/Female 0°**

PVC 5x16AWG ye UL/CSA, STOOW

Art.No.: 7700-A5A01-UBD0150

Weight: 0.407 kg

Country of origin: DE

Model designation: MSCAL0-CB-UUBD\_1.5

**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

7/8" – 7/8", 5-pole

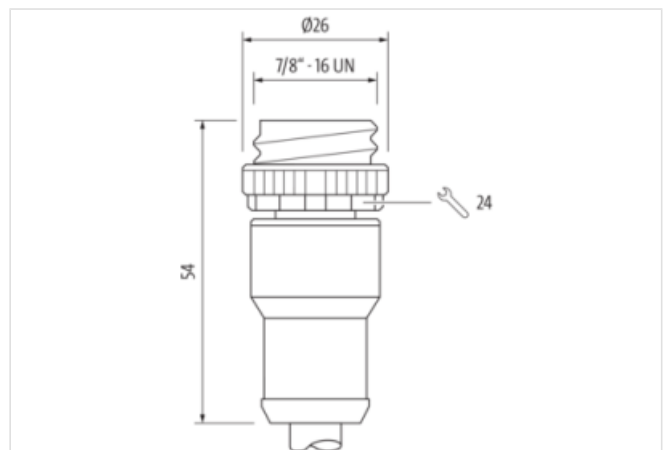
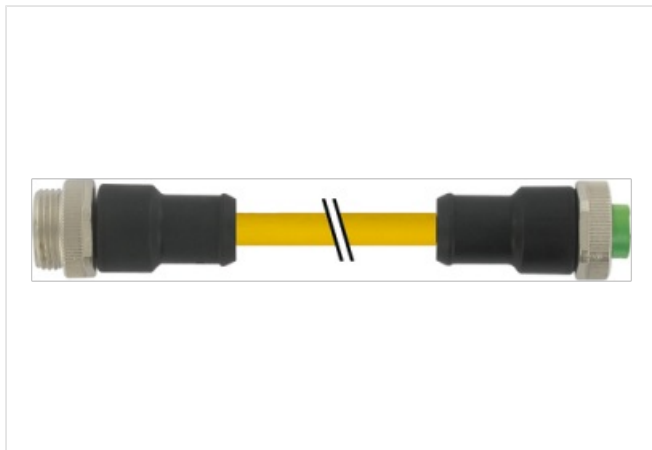
Power cable

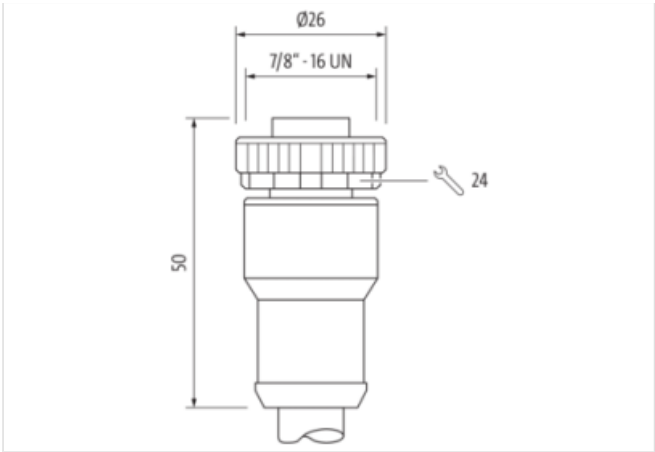
USA

Further cable lengths on request.

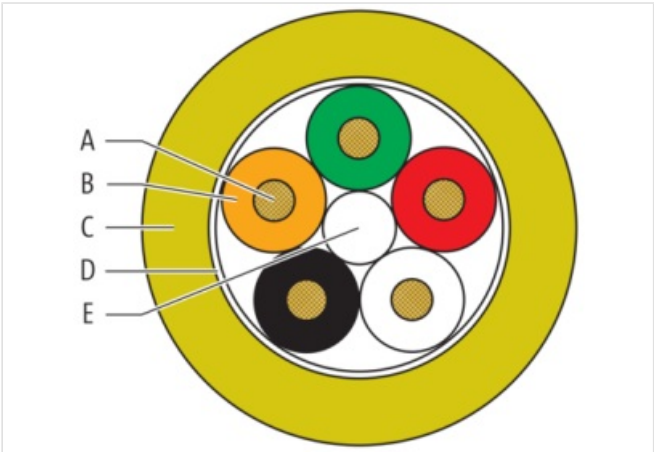
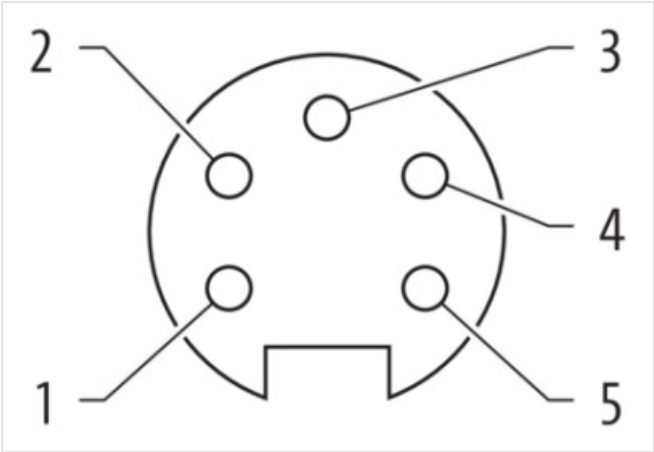
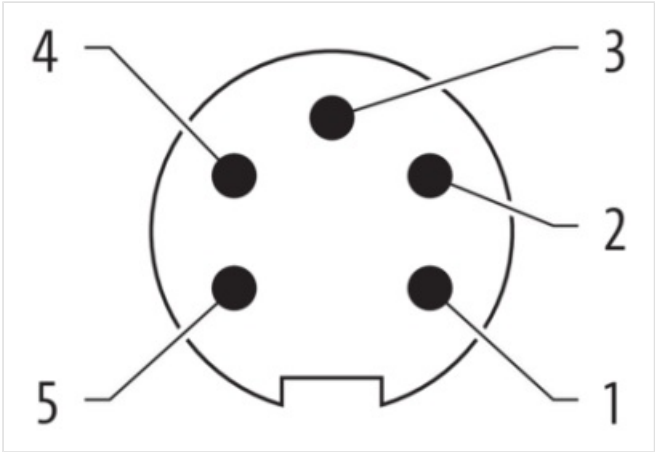
Plastic housings with good resistance against chemicals and oils.

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

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



1	WH	1
2	RD	2
3	GN	3
4	OG	4
5	BK	5





Product may differ from Image

**Header**

Material short text	MSCAL0-CB-UUBD_1.5
Cable length	1,50 m

**Side 1**

Family construction form	7/8"
Threaded hole	7/8"
Tightening torque	1,5 Nm
Width across flats	SW24

**Side 2**

Threaded hole	7/8"
Tightening torque	1,5 Nm

**Commercial data**

URL Webshop	<a href="https://shop.murrelektronik.com/7700-A5A01-UBD0150">https://shop.murrelektronik.com/7700-A5A01-UBD0150</a>
GTIN	4048879632706
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060327
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060327
ETIM-5.0	EC001855
ETIM-6.0	EC001855
ETIM-7.0	EC001855
ETIM-8.0	EC001855
customs tariff number	85444290
EAN	4048879632706
Packaging unit	1

**Electrical data | Supply**

Operating voltage AC max.	600 V
Operating voltage DC max.	600 V

Current operating per contact max. 9 A

#### Device protection | Electrical

Degree of protection (EN IEC 60529) IP68  
 Additional condition protection degree inserted, screwed

#### Mechanical data | Material data

Material housing PUR  
 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. 80 °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 UBD  
 Amount stranding 1  
 Stranding Wires  
 Banding silk paper  
 Filler Yes  
 Wire arrangement orange, green, red, white, black  
 Cable weight 172 g/m  
 Material wire insulation PVC  
 Amount wires 5  
 Outer diameter insulation 3,05 mm  
 Outer diameter tolerance core insulation  $\pm 0,05$  mm  
 Ingredient freeness wire insulation CFC-free, lead-free  
 Amount strands (wire) 26  
 Diameter of single wires 30 AWG  
 Conductor crosssection (wire) 16 AWG  
 Material conductor wire Stranded copper wire, bare  
 Outer-diameter (jacket) 12,7 mm  
 Tolerance outer diameter (sheath)  $\pm 5$  %  
 Material jacket PVC  
 Freedom from ingredients (jacket) CFC-free, lead-free  
 Conductor resistance (wire) 13.1  $\Omega$ /km @ 20 °C  
 Nominal voltage AC max. 600 V  
 Withstand voltage (wire - wire) 6 kV @ 60 s  
 Withstand voltage (wire - jacket) 6 kV @ 60 s  
 Current load capacity (standard) according to NFPA-70 (NEC) : 400.5(A) (1-3)  
 Current load capacity min. wire 8 A  
 Operating temperature min. (static) -50 °C  
 Operating temperature max. (static) 105 °C  
 Operating temperature min. (dynamic) -20 °C  
 Operating temperature max. (dynamic) 90 °C  
 Bending radius (fixed) 10 × Outer diameter  
 Bending radius (dynamic) 15 × Outer diameter