

**Mini (7/8) 3 pole, Male (Ext.) Straight/Female Straight,**

TPE, TC-ER+FT4, 3x16AWG, yellow, 2m

Art.No.: 7700-A3A01-U1B0200

Weight: 0.271 kg

Country of origin: DE

Model designation: MSCAL0-CB-QU1B\_2.0

**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:**

Male straight – female straight

7/8" – 7/8", 3-pole

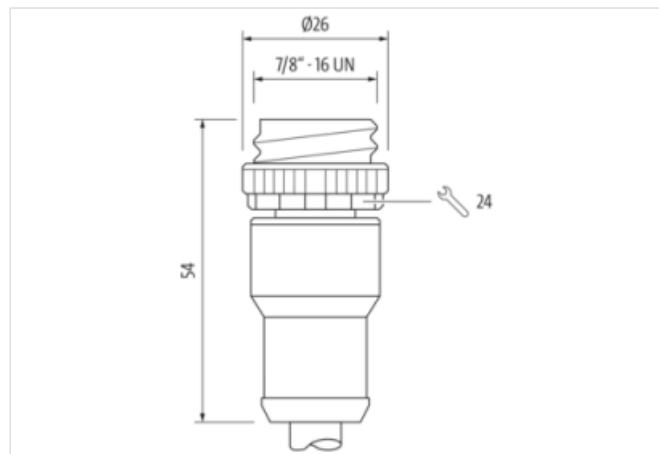
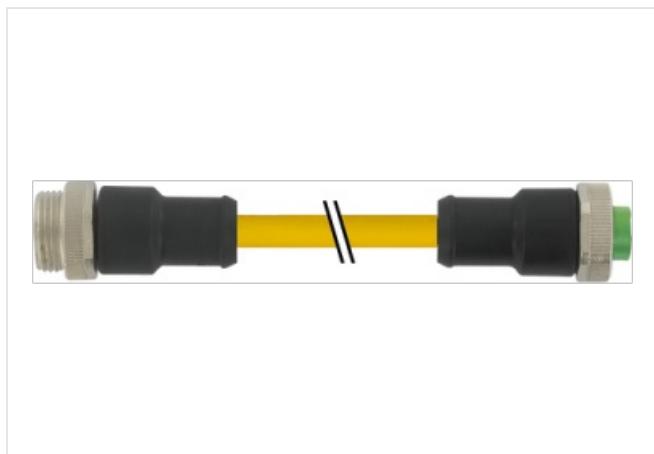
Power cable

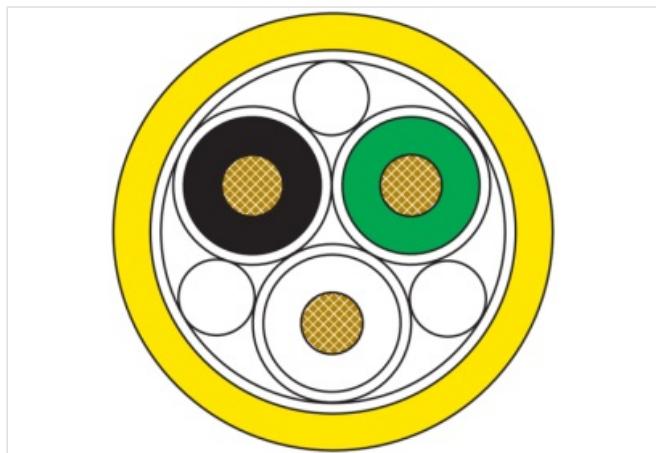
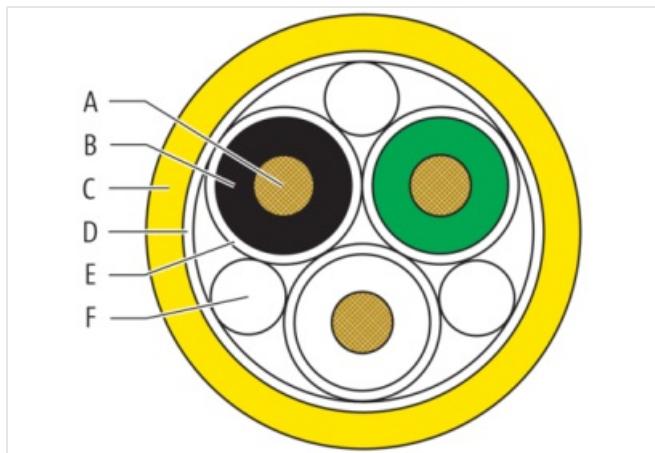
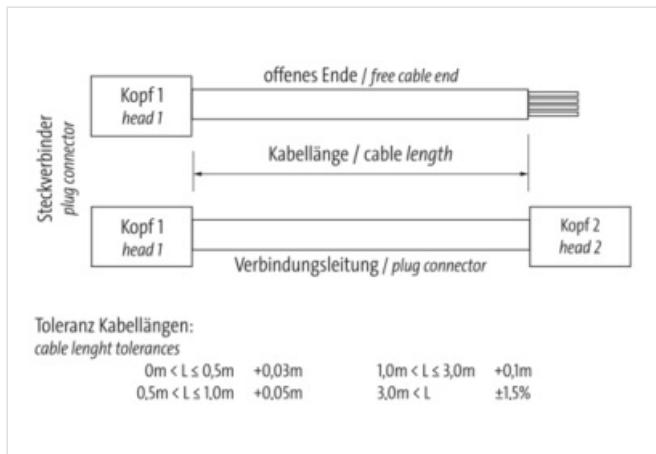
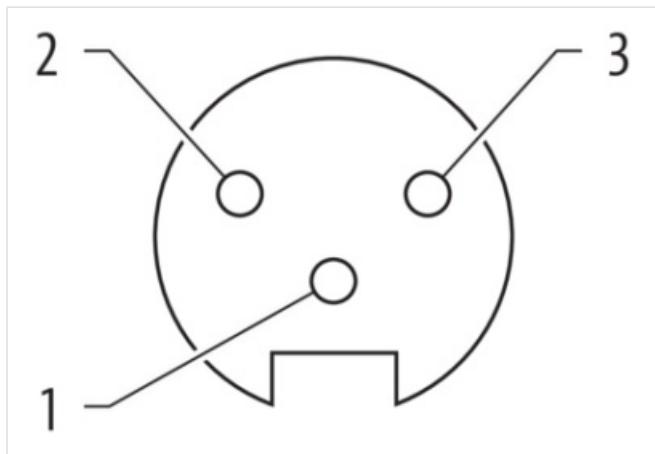
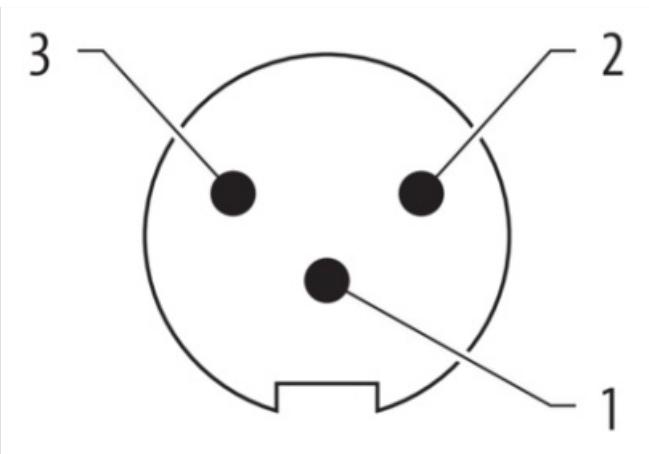
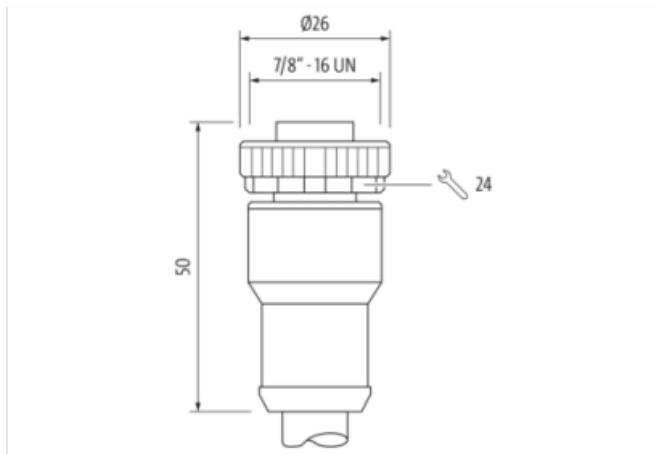
USA

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**




Product may differ from Image



#### Header

Material short text

MSCAL0-CB-QU1B\_2.0

Cable length

2,00 m

#### Side 1

The information in this Product-PDF has been compiled with the utmost care.

Liability for the correctness, completeness and topicality of the information is restricted to gross negligence. Version: 2026-02-14

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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-A3A01-U1B0200">https://shop.murrelektronik.com/7700-A3A01-U1B0200</a>
GTIN	4048879645065
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	27060327
ECLASS-9.1	27060311
ECLASS-10.0.1	27060311
ECLASS-10.1	27060311
ECLASS-11.0	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060327
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	4048879645065
Packaging unit	1

**Electrical data | Supply**

Operating voltage AC max.	600 V
Operating voltage DC max.	600 V
Current operating per contact max.	12 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	Nickelized

**Mechanical data | Mounting data**

Mounting method	inserted, screwed, Shaking protection
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**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	U1B
Amount stranding	1
Stranding	1 x Wires
Banding	Nylon film 25% overlap 100% coverage
Filler	Yes
Wire arrangement	black, green, white
Cable weight	0 g/m
Material wire insulation	PVC
Amount wires	3
Outer diameter insulation	2,62 mm
Outer diameter tolerance core insulation	± 0,05 mm
Ingredient freeness wire insulation	lead-free, CFC-free
Amount strands (wire)	65
Diameter of single wires	16 AWG
Conductor crosssection (wire)	16 AWG
Material conductor wire	Stranded copper wire, bare
Outer-diameter (jacket)	8,38 mm
Tolerance outer diameter (sheath)	± 5 %
Material jacket	TPE
Freedom from ingredients (jacket)	lead-free, CFC-free, halogen-free
Conductor resistance (wire)	13.2 Ω/km @ 20 °C
Nominal voltage 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 max. (wire)	10 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)	8 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	2 Mio. @ 25 °C
Torsion stress	90 °/m