

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

PUR, UL/CSA, 3x16AWG, black, 10m

Art.No.: 7700-A3A01-UMB1000

Weight: 1.059

Country of origin: DE

Model designation: MSCAL0-CB-UUMB_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:

Male straight – female straight

7/8" – 7/8", 3-pole

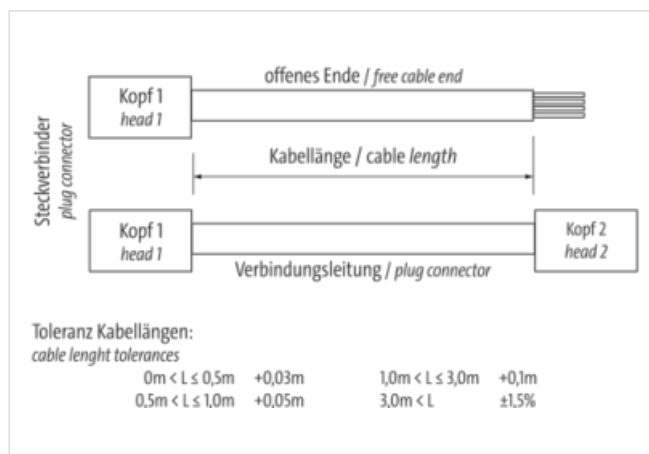
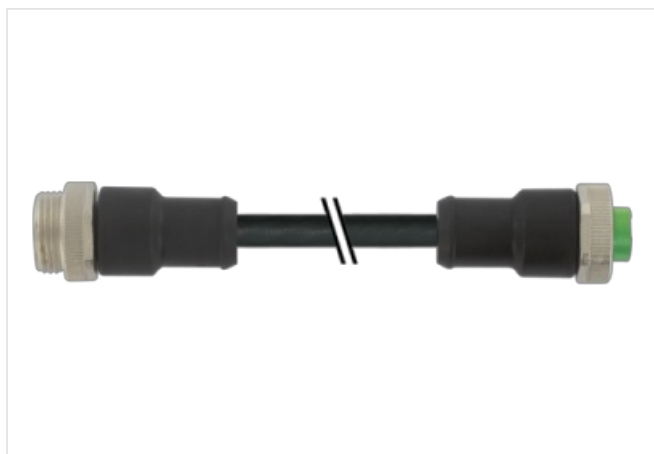
Power cable

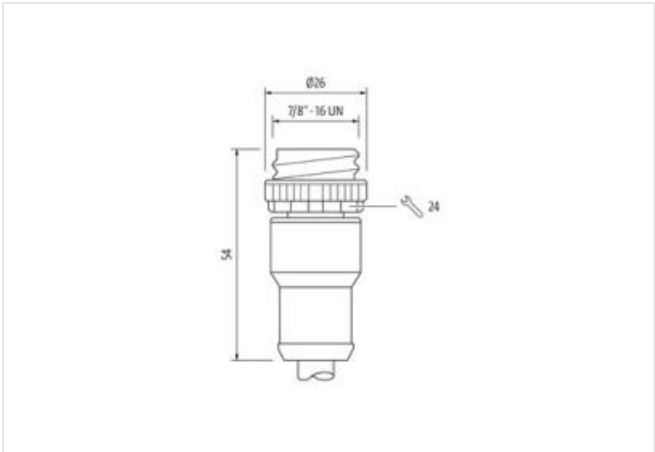
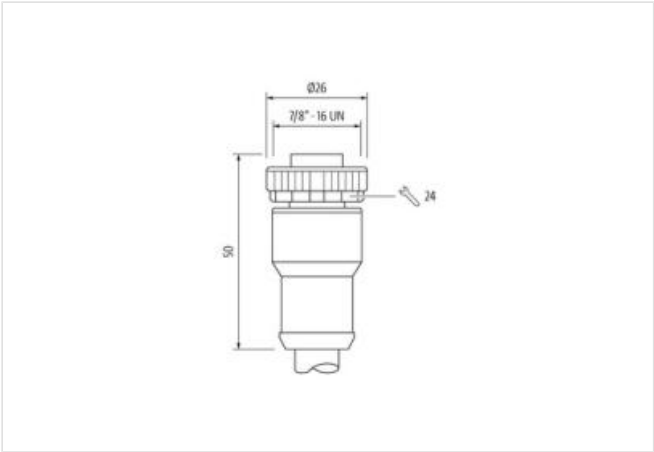
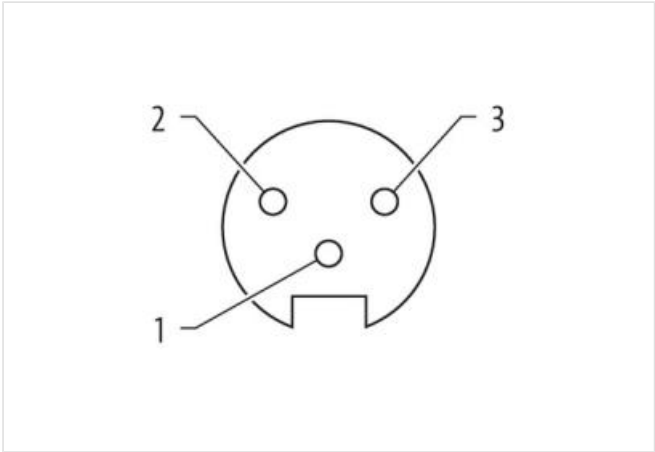
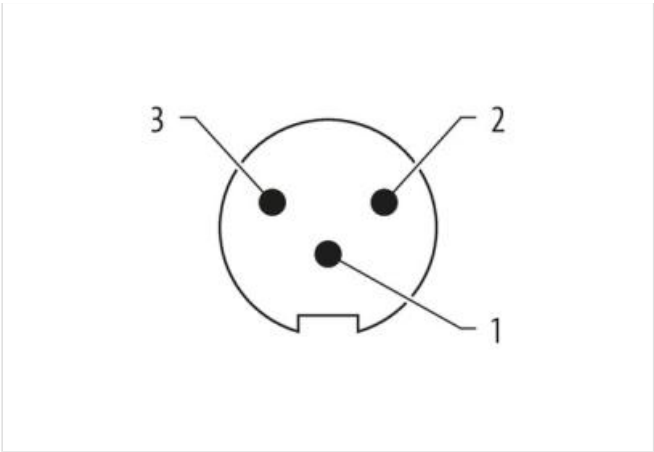
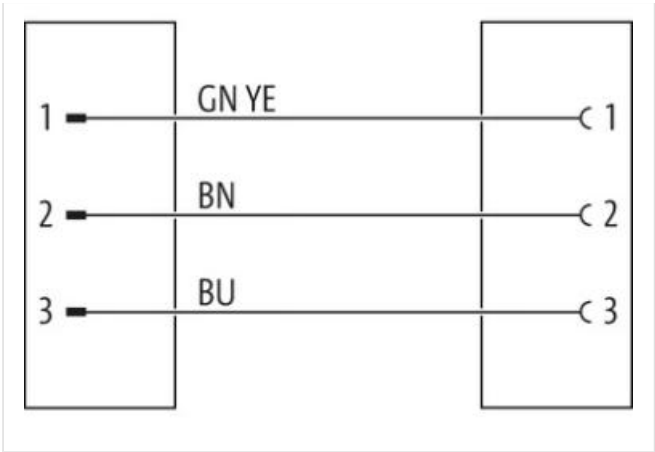
USA

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



Cable length 10 m

Side 1

Tightening torque 1,5 Nm

Mounting method	inserted, screwed
Family construction form	7/8"
Thread	7/8"
suitable for corrugated tube (internal Ø)	17,8 mm
Gender	male
Cable outlet	straight
No. of poles	3
Width across flats	SW24
Degree of protection (EN IEC 60529)	IP68

Side 2

Tightening torque	1,5 Nm
Mounting method	inserted, screwed
Family construction form	7/8"
Thread	7/8"
Gender	female
suitable for corrugated tube (internal Ø)	17,8 mm
Cable outlet	straight
No. of poles	3
Width across flats	SW24
Degree of protection (EN IEC 60529)	IP68

Commercial data

ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060327
ETIM-5.0	EC001855
customs tariff number	85444290
customs tariff number	85444290
customs tariff number	85444290
EAN	4048879640336
EAN	4048879640336
EAN	4048879640336
Packaging unit	1
Packaging unit	1
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
Coating locking	Nickel
Locking material	Zinc die-casting

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

Installation | Cable

wire arrangement	brown, blue, green-yellow
Cable identification	UMB
Jacket Color	black
wire arrangement	brown, blue, green-yellow
Material jacket	PUR
Outer-diameter (jacket)	7,4 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	TPM
Amount wires	3
Conductor crosssection (wire)	1,5 mm ²
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-20 °C
Operating temperature max. (dynamic)	80 °C
Flame resistance	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing DIN EN 60811-404
Bending radius (fixed)	7,5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	5 Mio.