

Mini (7/8) 3 pole, Female 90° w/ Cable

TPE 3x16AWG ye UL/CSA, TC-ER

Art.No.: 7700-A3031-U1B0500

Weight: 0.627 kg

Country of origin: DE

Model designation: MSCDL0-QU1B_5.0

Female 90°

7/8" (3-pole)

Power cable

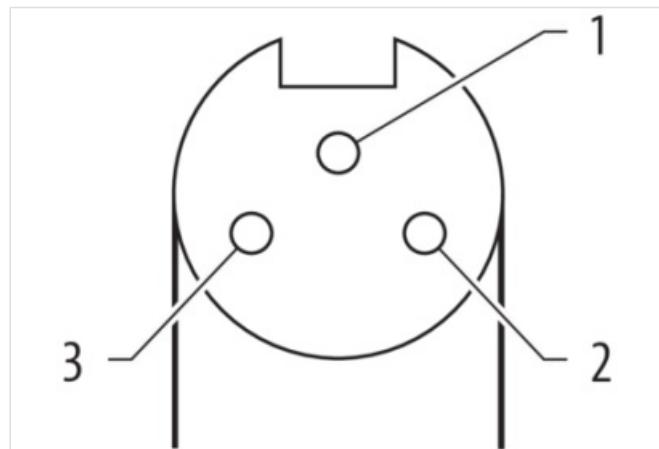
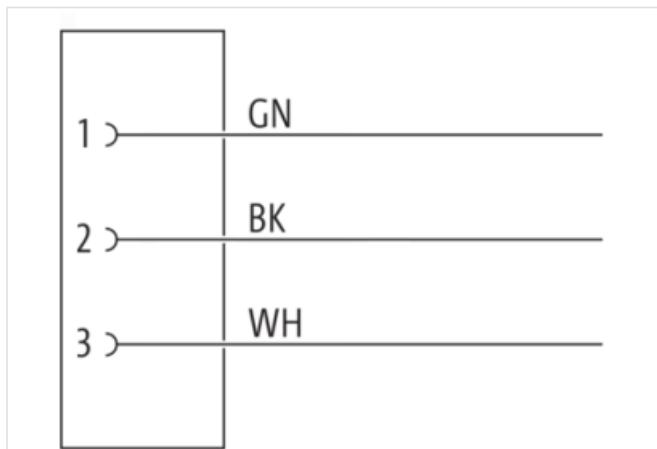
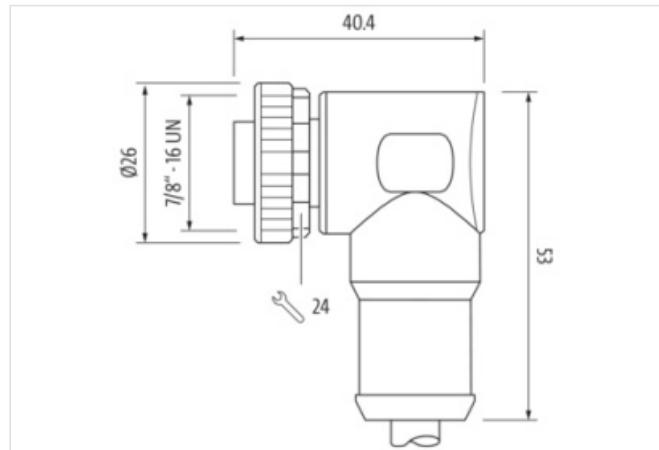
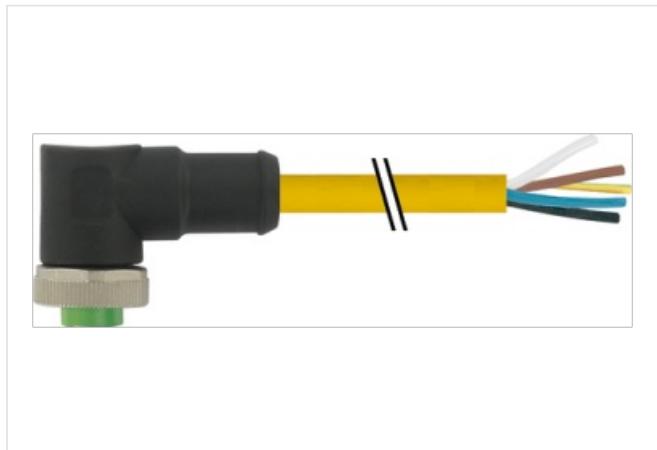
USA

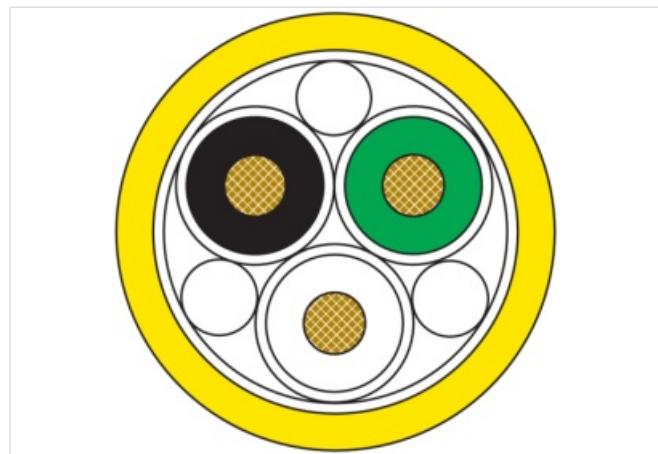
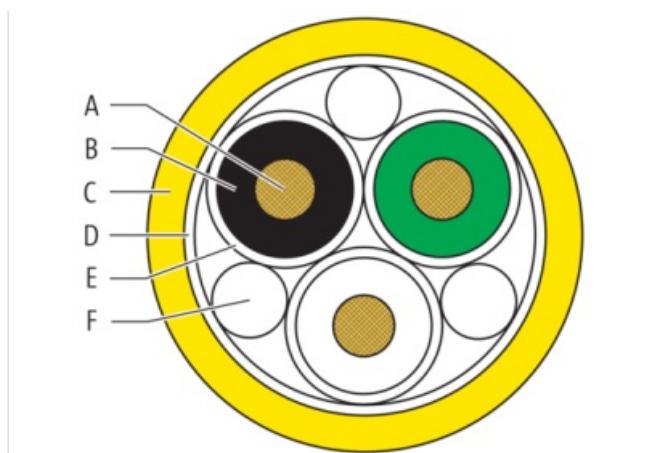
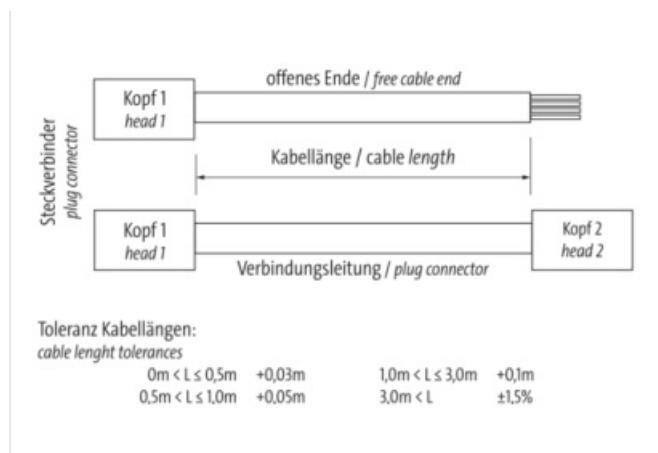
without cable sleeves

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 MSCDL0-QU1B_5.0

Cable length 5,00 m

Side 1

Family construction form 7/8"

No. of poles 3

Gender female

Mounting method inserted, screwed

Threaded hole 7/8"

Tightening torque 1,5 Nm

Width across flats SW24

Cable outlet angled

suitable for corrugated tube (internal Ø) 17,8 mm

Commercial data

URL Webshop <https://shop.murrelektronik.com/7700-A3031-U1B0500>

GTIN 4048879645287

ECLASS-6.0 27279218

ECLASS-6.1 27279218

ECCLASS-7.0	27279218
ECCLASS-7.1	27279218
ECCLASS-8.0	27279218
ECCLASS-8.1	27279218
ECCLASS-9.0	27060327
ECCLASS-9.1	27060311
ECCLASS-10.0.1	27060311
ECCLASS-10.1	27060311
ECCLASS-11.0	27060311
ECCLASS-11.1	27060311
ECCLASS-12.0	27060327
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	4048879645287
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

Diagnostics

Status indication LED	No
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Device protection | Electrical

Degree of protection (EN IEC 60529)	IP68
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	2,5 kV

Mechanical data | Material data

Material housing	PUR
Locking material	Zinc die-casting
Coating locking	Nickelated

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 × Outer diameter
Bending radius (dynamic)	10 × Outer diameter
No. of bending cycles (C-track)	2 Mio. @ 25 °C
Torsion stress	90 °/m