

7/8" male 0° / 7/8" female 90°

PUR 5x1.5 gy UL/CSA+drag ch. 3m

Art.No.: 7000-50031-9610300

Weight: 0.487

Country of origin: CZ

Model designation: MSCDL0-CA-U961_3.0

7/8" – 7/8", 5-pole

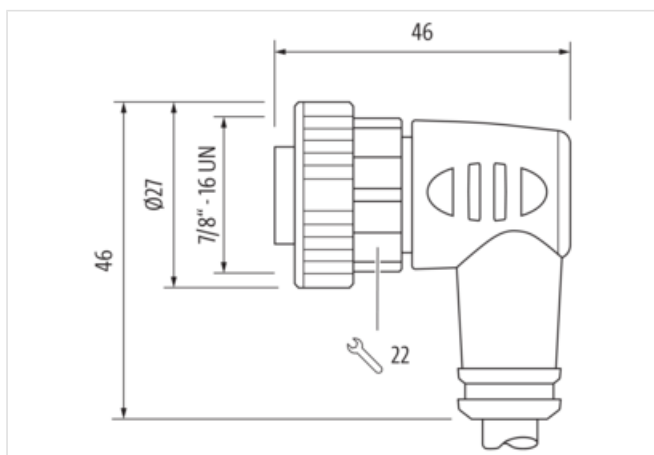
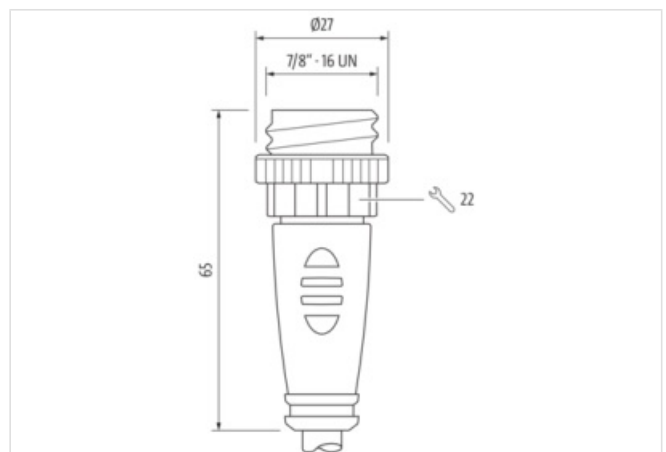
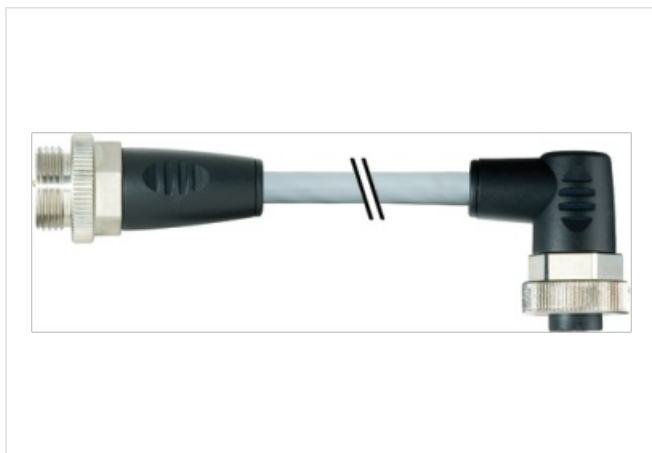
Power cable

Further cable lengths on request.

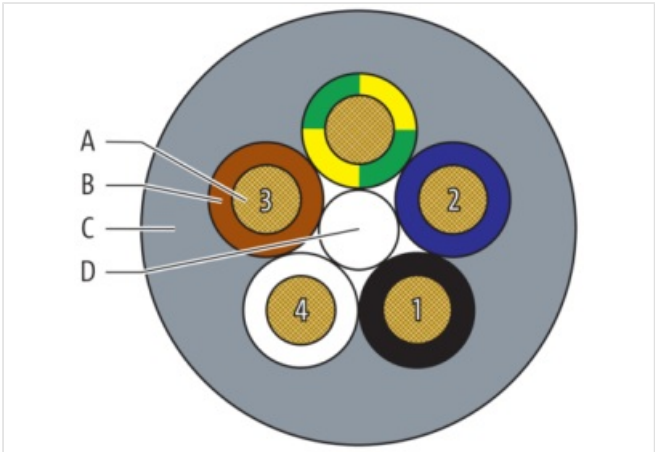
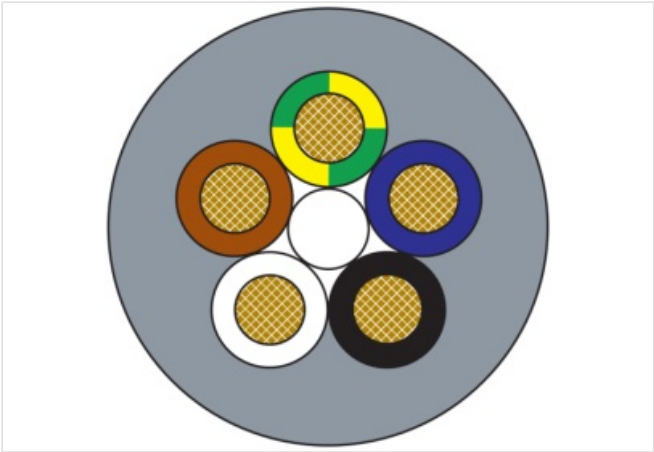
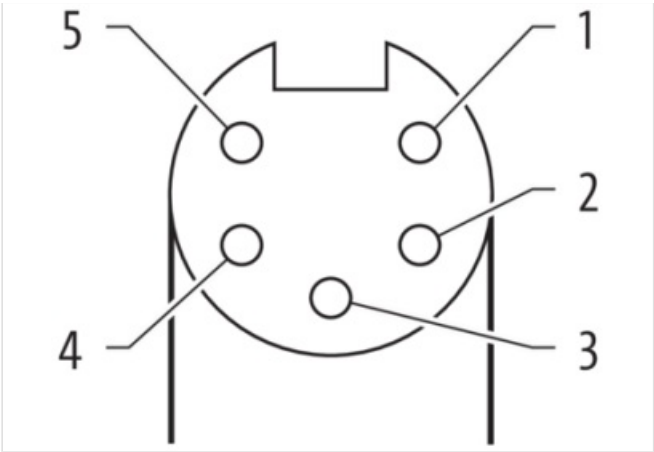
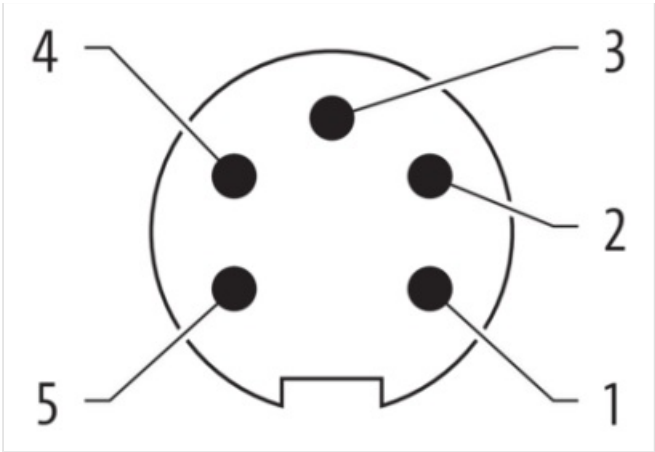
Plastic housings with good resistance against chemicals and oils.

Male straight – females 90°

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

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

1	BK 1	1
2	BU 2	2
3	GN YE	3
4	BN 3	4
5	WH 4	5



Product may differ from Image



Header	
Material short text	MSCDL0-CA-U961_3.0
Cable length	3,00 m
Side 1	

Family construction form	7/8"
No. of poles	5
Thread	7/8"
Tightening torque	1.5 Nm
Width across flats	SW22

Side 2

Family construction form	7/8"
No. of poles	5
Thread	7/8"
Tightening torque	1.5 Nm

Commercial data

URL Webshop	https://shop.murrelektronik.com/7000-50031-9610300
GTIN	4048879487498
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	4048879487498
Packaging unit	1

Electrical data | Supply

Current operating per contact max.	12 A
Current phase - neutral	230 V
Current phase - phase	400 V

Installation | Connection

Tightening torque	1.5 Nm
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Device protection | Electrical

Degree of protection (EN IEC 60529)	IP67
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	3 kV
Material group (IEC 60664-1)	I

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.	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	961
Cable Type	3
Function cable	Power
Amount stranding	1
Stranding	5 wires around core filler twisted
Filler	yes
Wire arrangement	green-yellow, blue 2, black 1, white 4, brown 3
Cable weight	118 g/m
Material wire insulation	PP
Amount wires	5
Outer diameter insulation	2.3 mm
Outer diameter tolerance core insulation	± 0.1 mm
Shore hardness wire insulation	60 5 Shore D
Ingredient freeness wire insulation	CFC-free, cadmium-free, silicone-free, halogen-free, lead-free
Printing color of wire insulation	white (isolation blue), white (isolation brown), white (isolation black), black (white isolation)
Amount strands (wire)	84
Diameter of single wires	0.15 mm
Conductor crosssection (wire)	1.5 mm ²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Outer-diameter (jacket)	8 mm
Tolerance outer diameter (sheath)	± 5 %
Material jacket	PUR
Shore hardness jacket	90 5 Shore A
Freedom from ingredients (jacket)	CFC-free, cadmium-free, silicone-free, halogen-free, lead-free
Material property (jacket)	matte, good machinability, abrasion-resistant, low adhesion
Conductor resistance (wire)	13.3 Ω/km @ 20 °C
Nominal voltage AC max.	1,000 V
Withstand voltage (wire - wire)	10 kV @ 60 s
Withstand voltage (wire - jacket)	10 kV @ 60 s
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	13.5 A
Min. operating temperature (static)	-50 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Bending radius (fixed)	5 × Outer diameter
Bending radius (dynamic)	10 × Outer diameter
No. of bending cycles (C-track)	5 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track)	3.3 m/s @ 25 °C
Acceleration (C-track)	5 m/s ² @ 25 °C
No. of torsion cycles	5 Mio.
Torsion stress	180 °C
Torsion speed	35 cycles/min