M12 male 0° / M12 female 90° A-cod. shielded

PUR 4x0.5+2x0.25 shielded gn UL/CSA+drag ch. 7m

Art.No.: 7000-46051-8020700
Weight: 0.704
Country of origin: HU
Model designation: MSDL0-A-6p2_802_7.0-ZE

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.

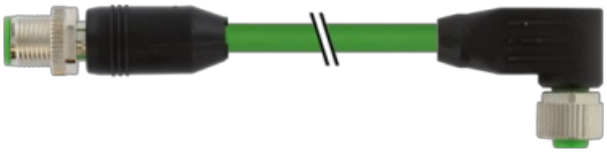
Our connectors are resistant to oils and cooling lubricants, but resistance to aggressive media should be tested for each specific application. Different cable lengths available on request

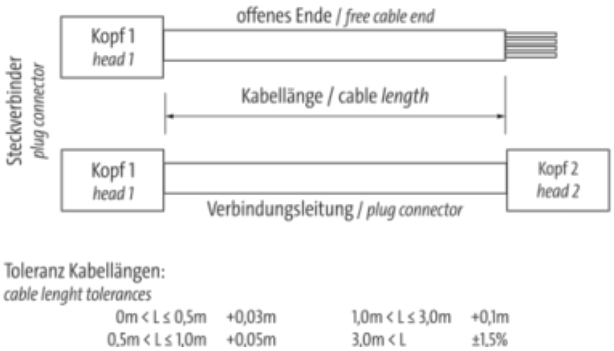
If you are missing technical information? Please feel free to use our dictionary to find more technical details.

Product details:
Cube67
Male straight – female 90°
M12 – M12, 6-pole
shielded
Hybrid cable
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.
Further cable lengths on request.

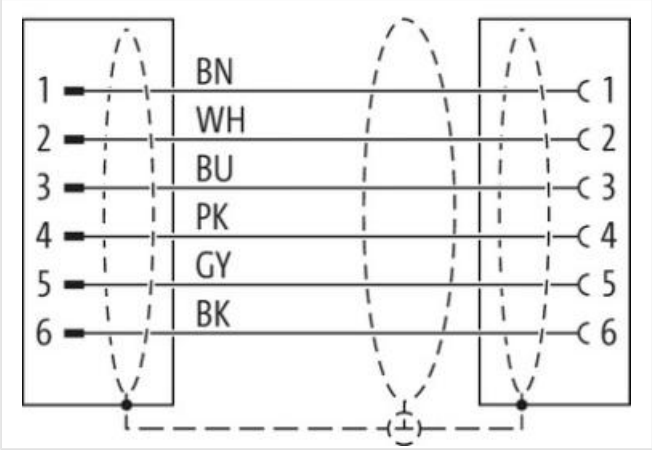
Link to Product

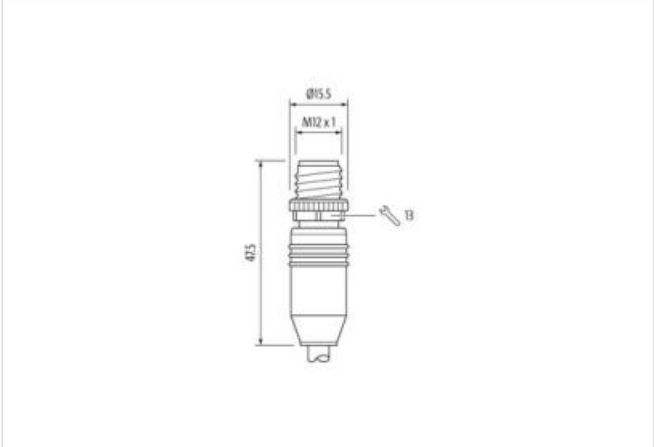
Illustration

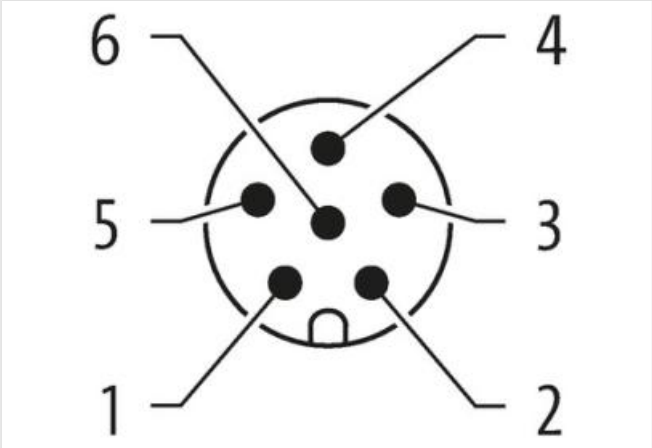


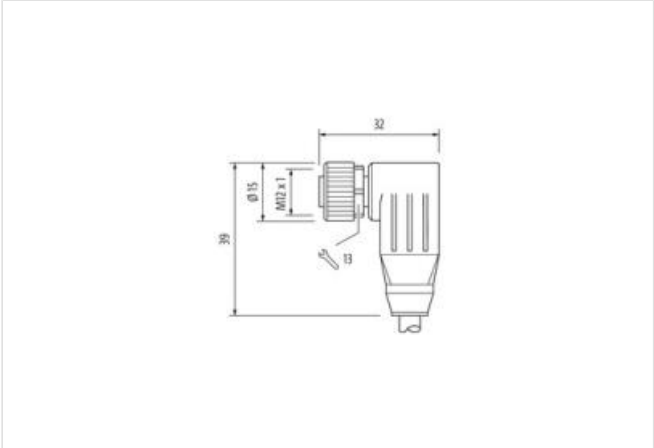


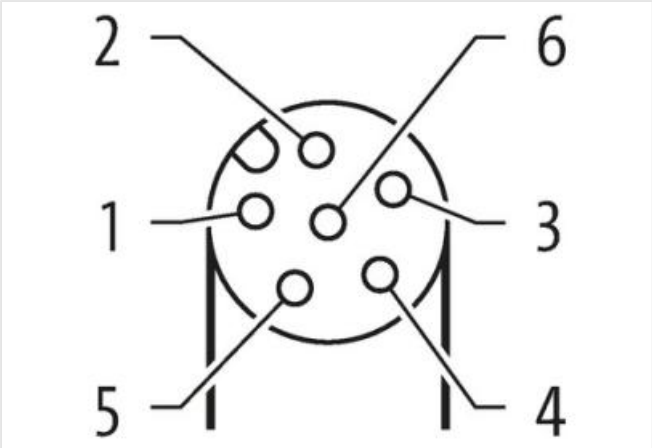
MURR ELEKTRONIK
stay connected











Product may differ from Image

Cable length	**7 m**
Side 1	
Tightening torque	**0,6 Nm**

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Family construction form	**M12**
Thread	**M12 x 1**
Material	**PUR**
Width across flats	**SW13**
Degree of protection (EN IEC 60529)	**IP67**
Side 2	
Tightening torque	**0,6 Nm**
Thread	**M12 x 1**
Material	**PUR**
Commercial data	
ECLASS-6.0	**27061801**
ECLASS-6.1	**27060307**
ECLASS-7.0	**27060307**
ECLASS-8.0	**27060307**
ECLASS-9.0	**27060307**
ECLASS-10.1	**27060307**
ECLASS-11.1	**27060307**
ECLASS-12.0	**27060307**
ETIM-5.0	**EC001855**
customs tariff number	**85444290**
customs tariff number	**85444290**
GTIN	**4048879673358**
GTIN	**4048879673358**
Packaging unit	**1**
Packaging unit	**1**
Electrical data | Supply	
Operating voltage AC max.	**30 V**
Operating voltage DC max.	**30 V**
Operating voltage AC (UL-listed)	**30 V**
Operating voltage DC (UL-listed)	**30 V**
Current operating per contact max.	**4 A**
Device protection | Electrical	
Degree of protection (ISO 20653:2013)	**IP66K**
Additional condition protection degree	**inserted, screwed**
Pollution Degree	**3**
Rated surge voltage	**0,8 kV**
Material group (IEC 60664-1)	**I**
Mechanical data | Material data	
Coating locking	**Nickeled**
Locking material	**Zinc die-casting**
Mechanical data | Mounting data	
Mounting method	**inserted, screwed, Shaking protection**
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 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	

MURR ELEKTRONIK
stay connected

wire arrangement	(gray, pink), blue, white, brown, black
Cable identification	802
Function cable	Hybrid, Signal, Data
Jacket Color	green
Type of Certificate	cURus
Amount stranding	1
Stranding	2 wires twisted
Amount stranding (type 2)	1
Stranding (type 2)	4 wires with Stranding combination with 3 Filler twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	80 %
Banding	Fleece
Filler	yes
wire arrangement	(gray, pink), blue, white, brown, black
Cable weigth	77 g/m
Material jacket	PUR
Freedom from ingredients (jacket)	lead-free, CFC-free, halogen-free
Outer-diameter (jacket)	6,6 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PP
Amount wires	4
Outer diameter insulation	1,4 mm
Outer diameter tolerance core insulation	± 5 %
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	64
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,5 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Material wire insulation (Data)	PP
Outer diameter wire insulation (Data)	1,1 mm
Tolerance outer diameter wire insulation (data)	± 5 %
Ingredient freeness wire insulation (Data)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount wires (Data)	2
Amount strands wire (Data)	32
Diameter of single wires (Data)	0,1 mm
Conductor crosssection wire (Data)	0,25 mm²
Material conductor wire (Data)	Stranded copper wire, bare
Wire conductor type (Data)	strand class 6
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	6,3 A
Current load capacity min. Wire (Data)	3,2 A
Electrical resistance line constant wire	39 Ω/km @ 20 °C
Electrical resistance coating wire (Data)	79 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	1,5 kV @ 60 s
Electric inductivity line constant	0,65 mH/km
Electrical capacity line constant (wire - wire)	63000 pF/km
Power frequency withstand voltage (wire - jacket)	1,5 kV @ 60 s
AC withstand voltage (wire - shield)	1,2 kV @ 60 s
Isolation resistance	2000 MΩ × km
Min. operating temperature (static)	-50 °C

Max. operating temperature (fixed)	**90 °C**
Operating temperature min. (dynamic)	**-30 °C**
Operating temperature max. (dynamic)	**70 °C**
Flame resistance	**IEC 60332-2-2 | UL 1581 § 1100 FT2 | UL 1581 § 1090**
chemical resistance	**Good, application-related testing**
Gasoline resistance	**Good, application-related testing**
Oil resistance	**DIN EN 60811-404 | Good, application-related testing**
Bending radius (fixed)	**5 x Outer diameter**
Bending radius (dynamic)	**10 x Outer diameter**
No. of bending cycles (C-track)	**5 Mio. @ 25 °C**
Traversing distance (C-track)	**10 m @ 25 °C**
Travel speed (C-track)	**2 m/s @ 25 °C**
Torsion stress	**± 180 °/m**