

**M12 male 0° / M12 female 90° B-cod. shielded**

PUR 1x2xAWG24 shielded vt UL/CSA+drag ch. 1m

Art.No.: 7000-44011-8410100

Weight: 0.104 kg

Country of origin: CZ

Model designation: MSBDL0-BA-F841\_1.0-ZS

**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:**

Profibus

Male straight – female 90°

M12 – M12, 2-pole

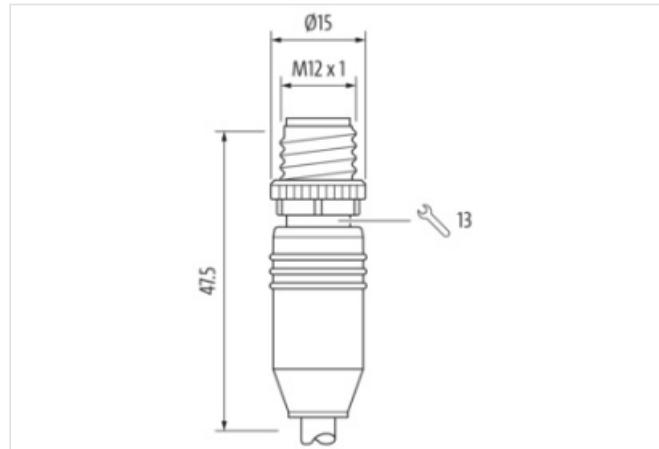
B-coded

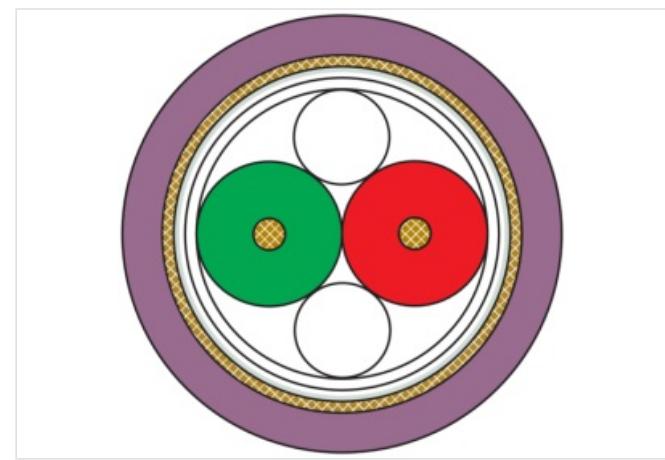
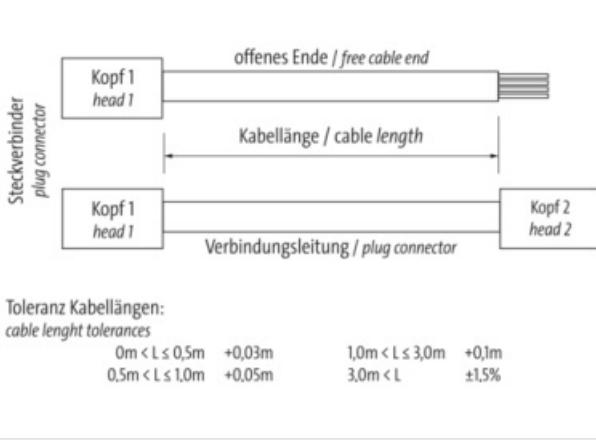
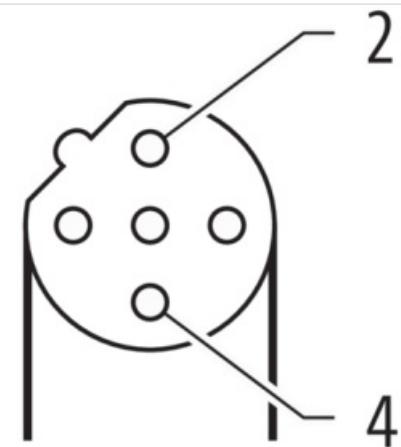
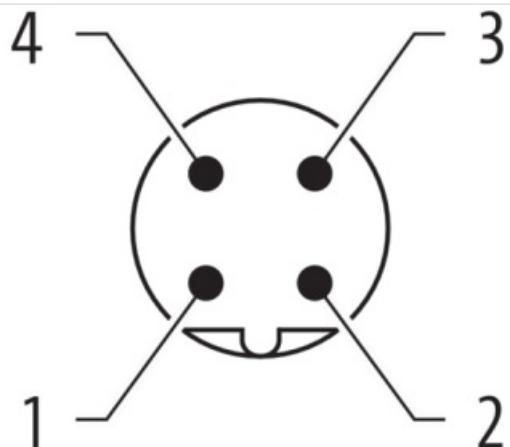
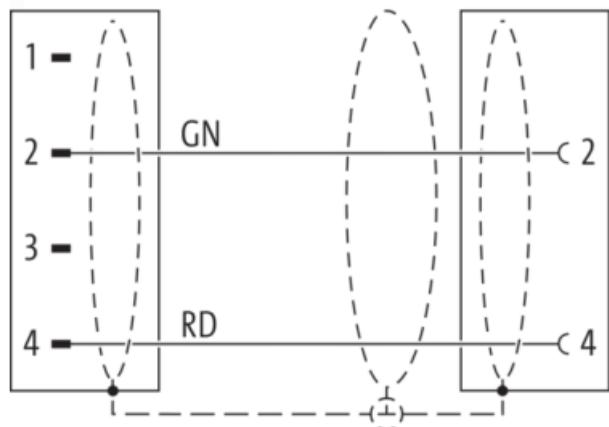
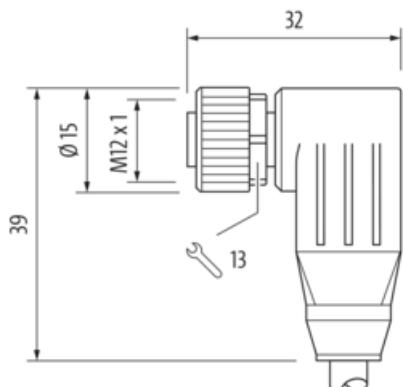
Shielded

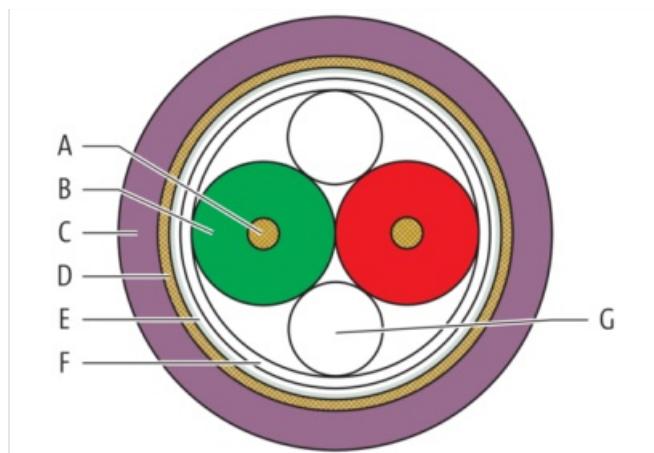
Plastic housings with good resistance against chemicals and oils.

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**






Product may differ from Image



#### Header

Cable length 1,00 m

#### Side 1

Family construction form M12  
 No. of poles 2  
 Coding B  
 Gender male  
 Mounting method inserted, screwed  
 Threaded hole M12 x 1  
 Tightening torque 0,6 Nm  
 Width across flats SW13  
 Cable outlet straight  
 Degree of protection (EN IEC 60529) IP67, IP66K, IP65

#### Side 2

Family construction form M12  
 No. of poles 2  
 Coding B  
 Gender female  
 Mounting method inserted, screwed  
 Threaded hole M12 x 1  
 Tightening torque 0,6 Nm  
 Width across flats SW13  
 Cable outlet angled  
 Degree of protection (EN IEC 60529) IP67, IP66K, IP65

#### Commercial data

URL Webshop <https://shop.murrelektronik.com/7000-44011-8410100>  
 customs tariff number 85444290  
 EAN 4065909033500

Packaging unit	1
<b>Electrical data   Supply</b>	
Operating voltage AC max.	60 V
Operating voltage DC max.	60 V
Current operating per contact max.	4 A
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
<b>Diagnostics</b>	
Status indication LED	No
<b>Device protection   Electrical</b>	
Degree of protection (EN IEC 60529)	IP67, IP66K, IP65
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	I
<b>Mechanical data</b>	
Contour for corrugated hose	without
<b>Mechanical data   Material data</b>	
Locking material	Zinc die-casting
Coating locking	Nickelized
<b>Mechanical data   Mounting data</b>	
Mounting method	inserted, screwed, Shaking protection
<b>Environmental characteristics   Climatic</b>	
Operating temperature min.	-30 °C
<b>Important installation notes</b>	
Note on bending radius	<b>Attention:</b> 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.
<b>Conformity</b>	
Product standard	EN IEC 61076-2-101 (M12)
<b>Installation   Cable</b>	
Cable identification	841
Amount stranding	1
Stranding	Wires
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Banding	Fleece, Foil
Filler	Yes
Cable weight	64 g/m
Material wire insulation	cell polyethylene
Amount wires	2
Outer diameter insulation	2,55 mm
Outer diameter tolerance core insulation	± 0,1 mm
Shore hardness wire insulation	60 ± 3 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free
Amount strands (wire)	19
Diameter of single wires	36 AWG
Conductor crosssection (wire)	24 AWG
Material conductor wire	Stranded copper wire, bare
Outer-diameter (jacket)	7,7 mm

Tolerance outer diameter (sheath)	± 5 %
Material jacket	PUR
Shore hardness jacket	87 ± 3 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material property (jacket)	abrasion-resistant, low adhesion, good machinability, matte
Conductor resistance (wire)	72.2 Ω/km @ 20 °C
Electric capacitance	29.000 pF/km
Isolation resistance	5.000 MΩ × km
Nominal voltage max.	300 V
Loop resistance	145 Ω/km
Withstand voltage (wire - wire)	2 kV @ 60 s
Withstand voltage (wire - jacket)	2 kV @ 60 s
Withstand voltage (wire - shield)	2 kV @ 60 s
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity max. (wire)	3 A
Characteristic impedance	150 Ω 10 MHz
Operating temperature min. (static)	-40 °C
Operating temperature max. (static)	80 °C
Operating temperature min. (dynamic)	-20 °C
Operating temperature max. (dynamic)	70 °C
Operating temperature min. (drag chain)	-20 °C
Operating temperature max. (drag chain)	60 °C
Other resistances	resistant to hydrolysis, resistant to microbes
Bending radius (fixed)	7.5 × Outer diameter
Bending radius (dynamic)	12 × Outer diameter
No. of bending cycles (C-track)	5 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C   horizontal
Travel speed (C-track)	3 m/s @ 25 °C
Acceleration (C-track)	5 m/s² @ 25 °C