

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

PUR 1x2xAWG22 shielded vt UL/CSA+drag ch. 1.5m

Art.No.: 7000-44011-7860150

Weight: 0.155 kg

Country of origin: CZ

Model designation: MSBDL0-BA-F786_1.5-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

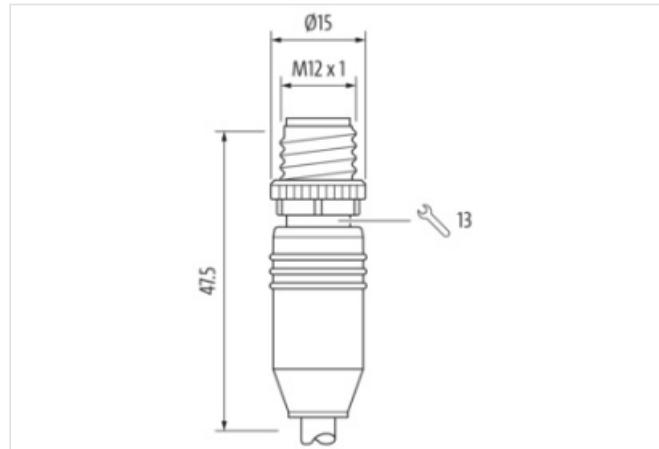
B-coded

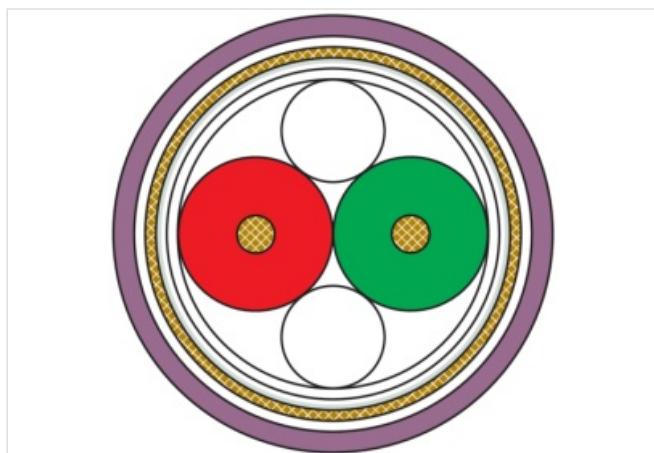
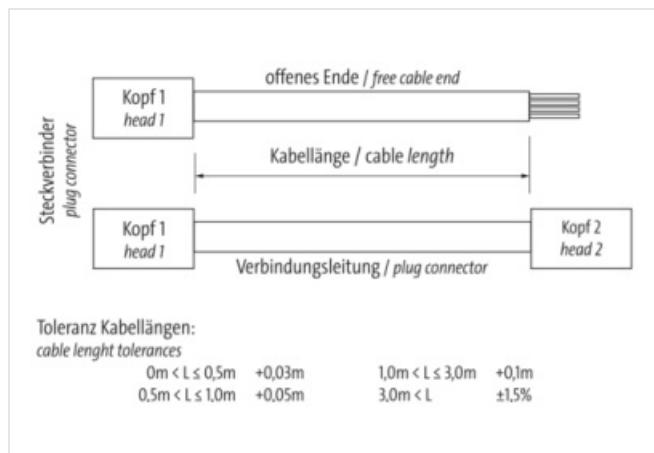
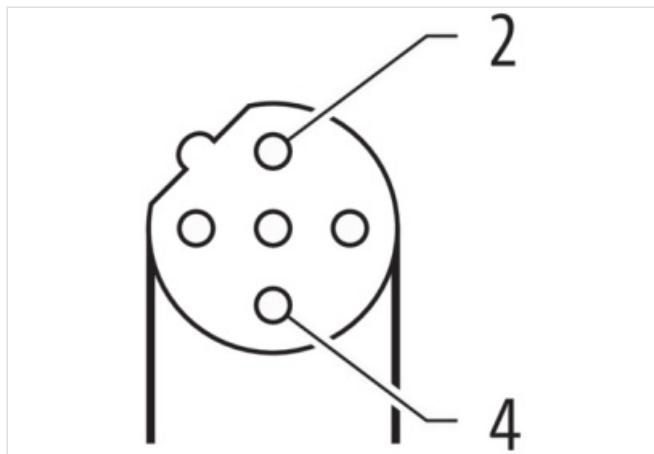
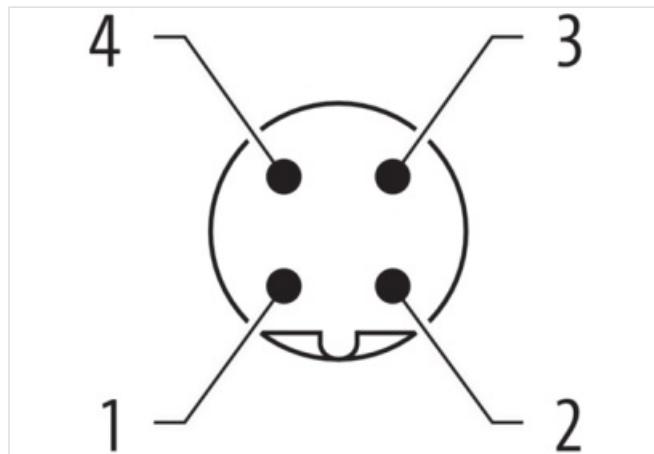
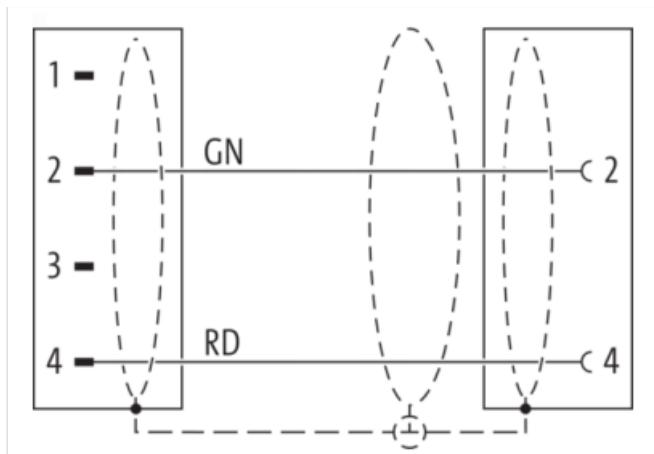
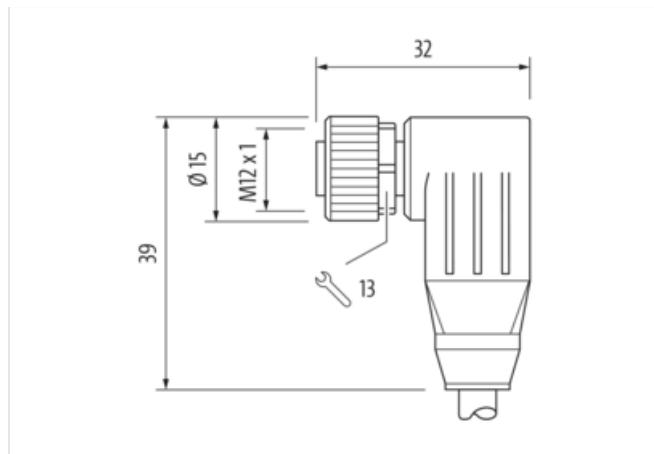
Shielded

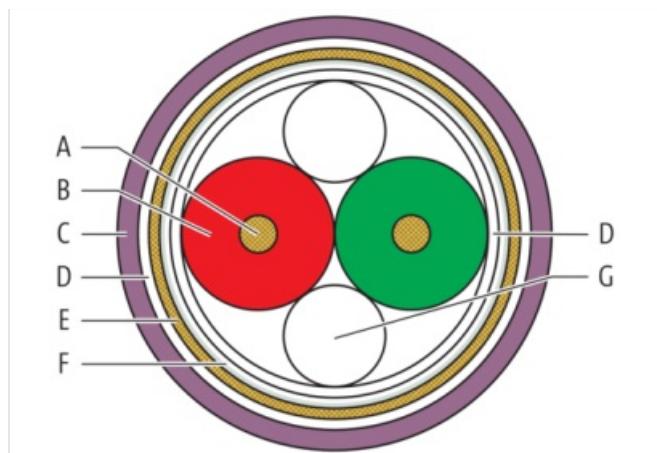
Plastic housings with good resistance against chemicals and oils.

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

Material short text MSBDL0-BA-F786_1.5-ZS

Cable length 1,50 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/7000-44011-7860150>
 GTIN 4048879776875
 ECLASS-6.0 27061801
 ECLASS-6.1 27060307
 ECLASS-7.0 27060307
 ECLASS-7.1 27060307
 ECLASS-8.0 27060307

ECLASS-8.1	27060307
ECLASS-9.0	27060307
ECLASS-9.1	27060307
ECLASS-10.0.1	27060307
ECLASS-10.1	27060307
ECLASS-11.0	27060307
ECLASS-11.1	27060307
ECLASS-12.0	27060307
ECLASS-13.0	27060307
ECLASS-14.0	27060307
customs tariff number	85444290
EAN	4048879776875
Packaging unit	1

Electrical data | Supply

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

Diagnostics

Status indication LED	No
-----------------------	----

Device protection | Electrical

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

Mechanical data

Contour for corrugated hose	without
-----------------------------	---------

Mechanical data | Material data

Locking material	Zinc die-casting
Coating locking	Nickelized

Mechanical data | Mounting data

Mounting method	inserted, screwed, Shaking protection
-----------------	---------------------------------------

Environmental characteristics | Climatic

Operating temperature min.	-30 °C
----------------------------	--------

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.

Conformity

Product standard	EN IEC 61076-2-101 (M12)
------------------	--------------------------

Installation | Cable

Cable identification	786
Amount stranding	1
Stranding	Wires
Banding	Fleece, Foil
Filler	Yes
Cable weight	74 g/m
Material wire insulation	PE

Amount wires	2
Outer diameter insulation	2,8 mm
Outer diameter tolerance core insulation	± 0,05 mm
Shore hardness wire insulation	51 ± 3 Shore D
Ingredient freeness wire insulation	lead-free, CFC-free
Amount strands (wire)	19
Diameter of single wires	22 AWG
Conductor crosssection (wire)	22 AWG
Material conductor wire	Stranded copper wire, bare
Outer-diameter (jacket)	8,1 mm
Tolerance outer diameter (sheath)	± 5 %
Material jacket	PUR
Shore hardness jacket	80 ± 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)	59.4 Ω/km @ 20 °C
Electrical capacity line constant (wire - wire)	30.000 pF/km
Nominal voltage max.	300 V
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)	6 A
Characteristic impedance	150 Ω 10 MHz
Operating temperature min. (static)	-40 °C
Operating temperature max. (static)	80 °C
Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	90 °C
Other resistances	resistant to hydrolysis, resistant to microbes
Bending radius (fixed)	6 × Outer diameter
Bending radius (dynamic)	12 × Outer diameter
No. of bending cycles (C-track)	3 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track)	3 m/s @ 25 °C
Acceleration (C-track)	3 m/s² @ 25 °C