

M12 male 0° B-cod. with cable

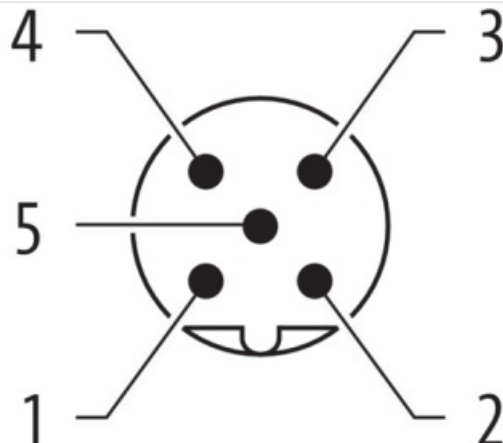
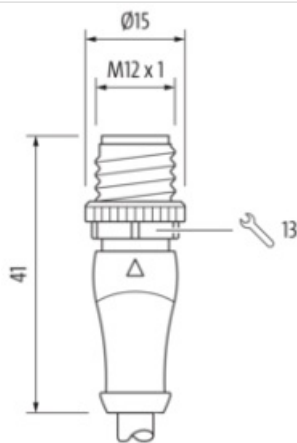
PUR 5x0.34 bk UL/CSA+drag ch. 2m

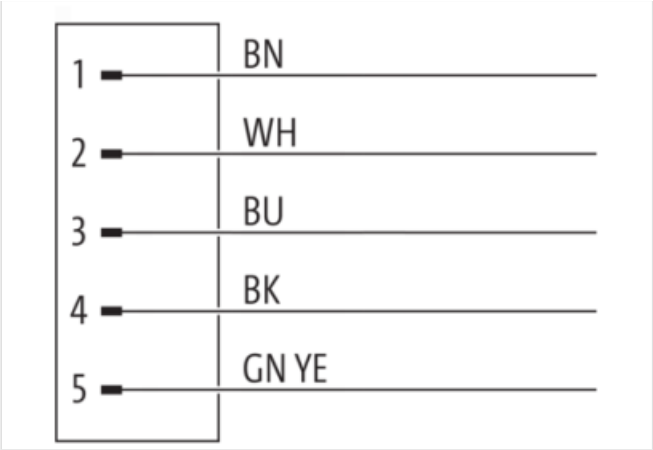
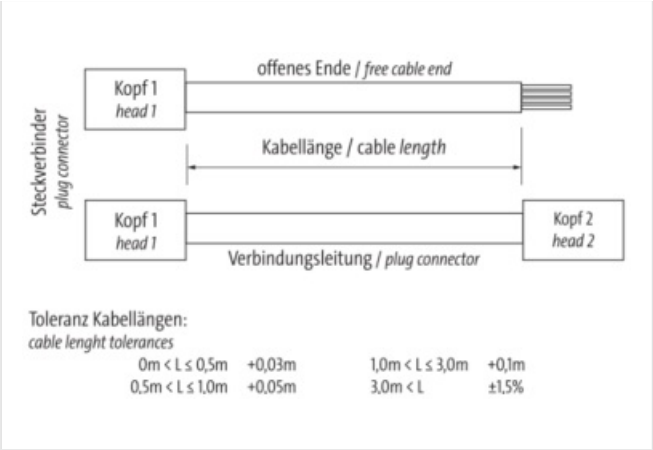
Art.No.: 7000-14321-6350200

Weight: 0.096

Country of origin: DE

Model designation: MSBAL0-U635_2.0-KV

Link to Product**Illustration**



Product may differ from Image



Side 1	
Family construction form	M12
No. of poles	5
Coding	B
Mounting method	inserted, screwed
Thread	M12 x 1
Tightening torque	0.6 Nm
Width across flats	SW13
Cable outlet	straight
suitable for corrugated tube (internal Ø)	10 mm
Material	PUR
Material contact	Copper alloy
Coating contact	gold plated
Degree of protection (EN IEC 60529)	IP67
Side 2	
Family construction form	free cable end
Stripping length (jacket)	20 mm
Commercial data	
URL Webshop	https://shop.murrelektronik.com/7000-14321-6350200
GTIN	4065909049600
ECLASS-6.0	27061801
ECLASS-7.0	27061801
ECLASS-7.1	27061801
ECLASS-8.0	27061801
ECLASS-8.1	27061801
ECLASS-9.0	27061801
ECLASS-9.1	27061801
ECLASS-10.0.1	27061801
ECLASS-11.0	27061801
ECLASS-13.0	27061801
ECLASS-14.0	27061801
EAN	4065909049600
Electrical data Supply	

Operating voltage AC max.	125 V
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Operating voltage DC max.	125 V
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Current operating per contact max.	4 A
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Diagnostics

Status indication LED	no
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Installation | Connection

Mounting set	M12 x 1
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Device protection | Electrical

Pollution Degree	3
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Rated surge voltage	1.5 kV
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Material group (IEC 60664-1)	I
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Mechanical data | Material data

Material screw connection	Zinc die-casting
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Coating of fitting	nickel plated
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Mechanical data | Mounting data

Mounting method	inserted, screwed, Shaking protection
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Environmental characteristics | Climatic

Operating temperature min.	-25 °C
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Operating temperature max.	85 °C
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Additional condition temperature range	depending on cable quality
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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.
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Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
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Conformity

Product standard	DIN EN 61076-2-101 (M12)
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Installation | Cable

Cable identification	635
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Cable Type	3
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Amount stranding	1
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Stranding	Wires
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Filler	yes
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Wire arrangement	brown, black, blue, white, green-yellow
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Cable weight	41.8
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Material wire insulation	PP
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Amount wires	5
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Outer diameter insulation	1.25 mm
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Outer diameter tolerance core insulation	± 0.05 mm
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Shore hardness wire insulation	70
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Ingredient freeness wire insulation	CFC-free, cadmium-free, silicone-free, halogen-free, lead-free
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Amount strands (wire)	42
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Diameter of single wires	0.1 mm
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Conductor crosssection (wire)	0.34 mm²
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Material conductor wire	Stranded copper wire, bare
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Conductor type (wire)	strand class 6
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Outer-diameter (jacket)	4.8 mm
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Tolerance outer diameter (sheath)	± 5 %
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Material jacket	PUR
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Shore hardness jacket	90
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Freedom from ingredients (jacket)	CFC-free, cadmium-free, silicone-free, halogen-free, lead-free
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Material property (jacket)	matte, good machinability, abrasion-resistant, low adhesion
Conductor resistance (wire)	57 Ω /km @ 20 °C
Nominal voltage AC max.	300 V
Withstand voltage (wire - wire)	2.5 kV @ 60 s
Withstand voltage (wire - jacket)	2.5 kV @ 60 s
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4.5 A
Min. operating temperature (static)	-40 °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
Operating temperature min. (drag chain)	-25 °C
Operating temperature max. (drag chain)	80 °C / 90 °C @ 10000 h Operation
Flame resistance	UL 1581 § 1090, CSA FT2, IEC 60332-2-2
Oil resistance	IEC 60811-404
Chemical resistance	good
Other resistances	good resistance to gasoline, resistant to hydrolysis, resistant to microbes
Bending radius (fixed)	5 × Outer diameter
Bending radius (dynamic)	10 × Outer diameter
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	10 m @ 25 °C horizontal
Travel speed (C-track)	3 m/s @ 25 °C
Acceleration (C-track)	10 m/s² @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	180 °/m
Torsion speed	35 cycles/min