

M12 male 0° / M12 female 0° A-cod.

PUR 3x0.25 bk UL/CSA+drag ch. 5m

Art.No.: 7000-40010-6300500

Weight: 0.156

Country of origin: CZ

Model designation: MSBL0-A-*E630_5.0-YS

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:Power supply cable for Sensopart cameras

M12 A-coded 12P straight <> M12 A-coded 5P straight

Male straight – female straight

Special pin assignment

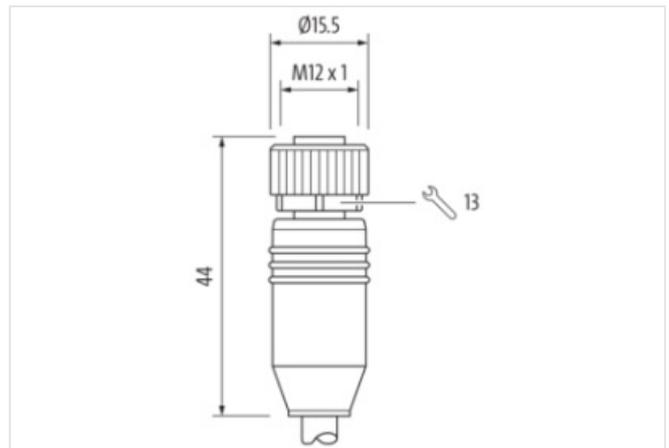
partly used

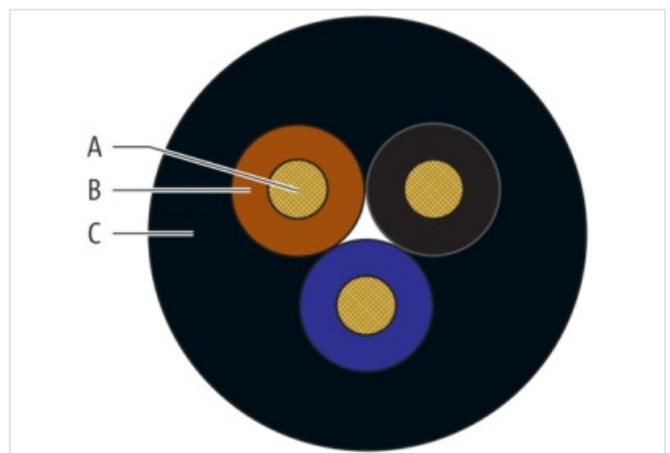
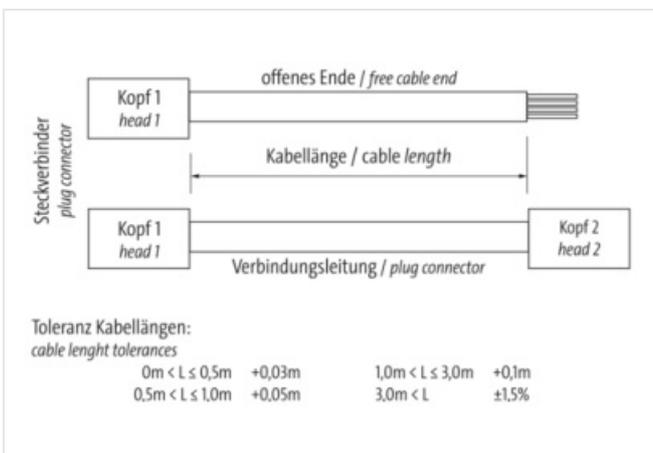
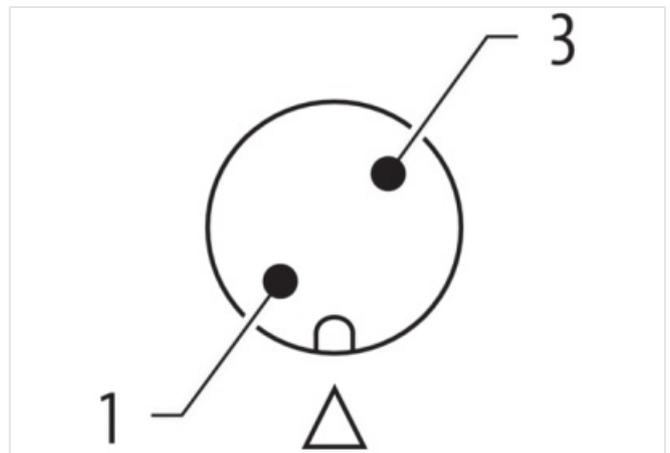
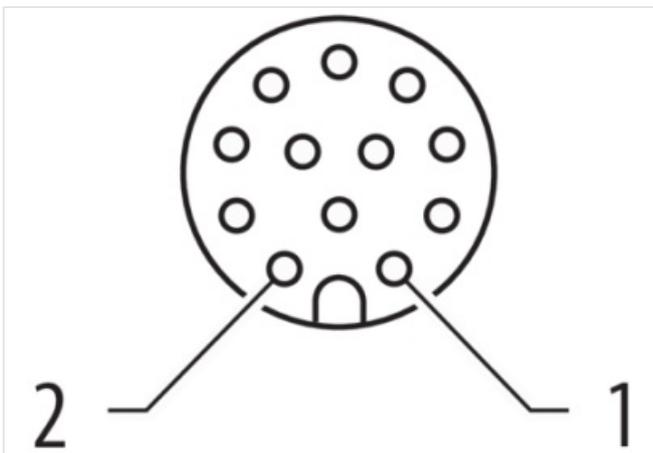
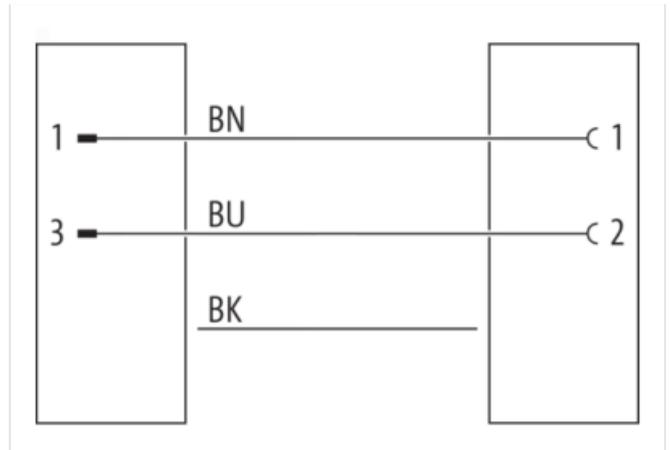
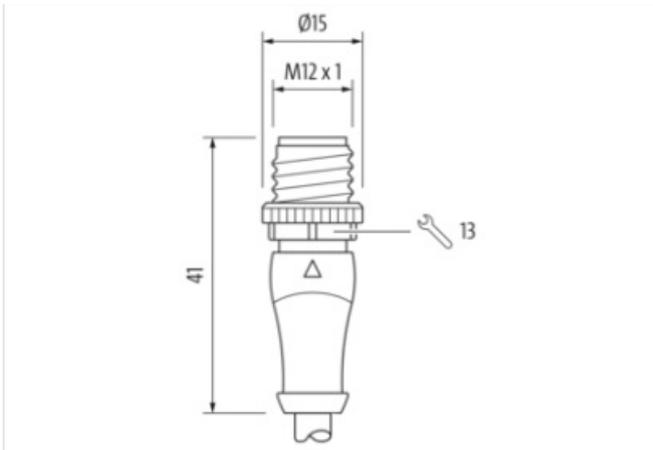
with cable sleeves

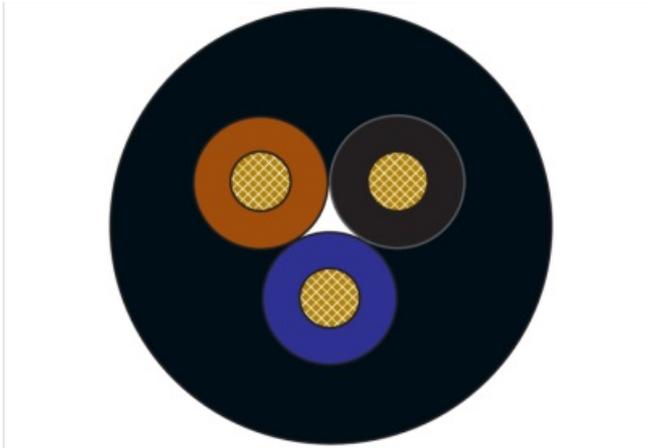
Plastic housings with good resistance against chemicals and oils.

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 5.0 m

Side 1

Family construction form	M12
No. of poles	2
Coding	A
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
Degree of protection (EN IEC 60529)	IP67, IP66K, IP65

Side 2

Family construction form	M12
No. of poles	2
Coding	A
Mounting method	inserted, screwed
Thread	M12 x 1
Tightening torque	0.6 Nm
Width across flats	SW13
Cable outlet	straight
Material	PUR
Degree of protection (EN IEC 60529)	IP67, IP66K, IP65

Commercial data

URL Webshop	https://shop.murrelektronik.com/7000-40010-6300500
customs tariff number	85444290
EAN	4065909058862
Packaging unit	1

Electrical data | Supply

Operating voltage AC max.	30 V
Operating voltage DC max.	30 V

Current operating per contact max. 1.5 A

Diagnostics

Status indication LED no

Installation | Connection

Mounting set M12 x 1

Installation | Pin assignment

Configuration partly used

Device protection | Electrical

Degree of protection (EN IEC 60529) IP67, IP66K, IP65

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

Color housing black

Color contact carrier green

Material screw connection Zinc die-casting

Coating of fitting nickel plated

Locking material Zinc die-casting

Coating locking Nicked

Mechanical data | Mounting data

Mounting method inserted, screwed, Shaking protection

Environmental characteristics | Climatic

Operating temperature min. -30 °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.

Conformity

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

Installation | Cable

Cable identification 630

Cable Type 3

Amount stranding 1

Stranding 3 wires stranded

Wire arrangement brown, black, blue

Cable weight 26.4 g/m

Material wire insulation PP

Amount wires 3

Outer diameter insulation 1.25 mm

Outer diameter tolerance core insulation ± 0.05 mm

Shore hardness wire insulation 70 5 Shore D

Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, halogen-free, lead-free

Amount strands (wire) 32

Diameter of single wires 0.1 mm

Conductor crosssection (wire) 0.25 mm²

Material conductor wire Stranded copper wire, bare

Conductor type (wire) strand class 6

Outer-diameter (jacket)	4.1 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)	79 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
Storage temperature max.	9,000 °C
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/s ² @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	180 °/m
Torsion speed	35 cycles/min