

**M12 male 0° A-cod. / MSUD double valve A-18mm**

PUR 4x0.75 gy UL/CSA 0.3m

Art.No.: 7000-41591-2270030

Weight: 0.117

Country of origin: CZ

Model designation: MSKL3-226\_150-KL3-227\_0.3-A

Form A (18 mm) – M12, connector at the rear

24 V AC  $\pm 20\%$  / DC  $\pm 25\%$ 

LED and suppression

Connection cable L = 150 mm

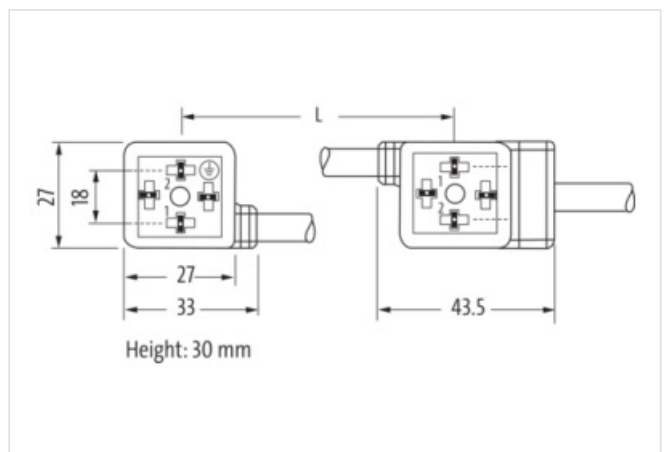
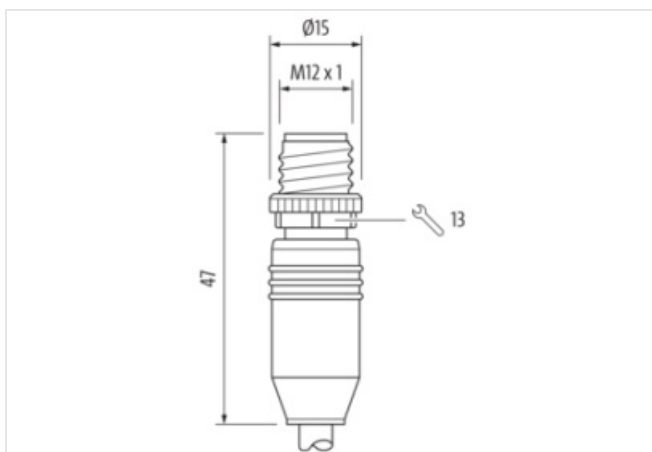
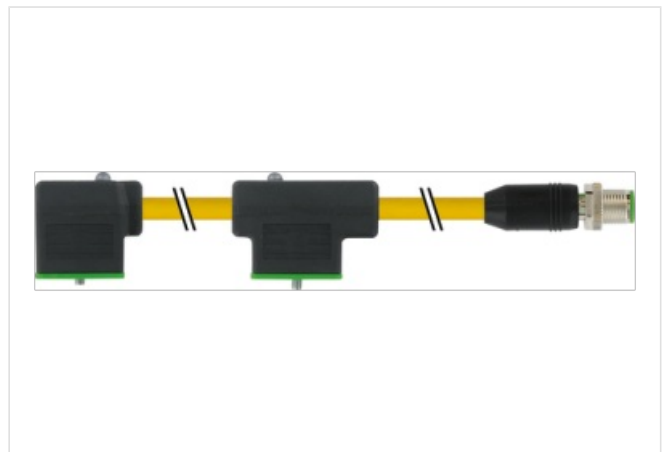
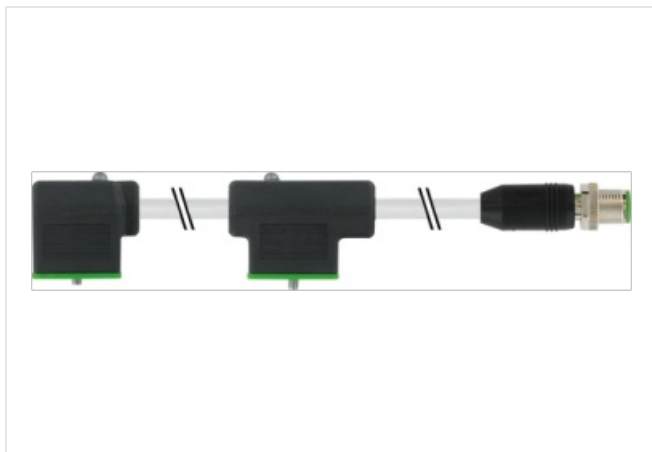
Bridged PE

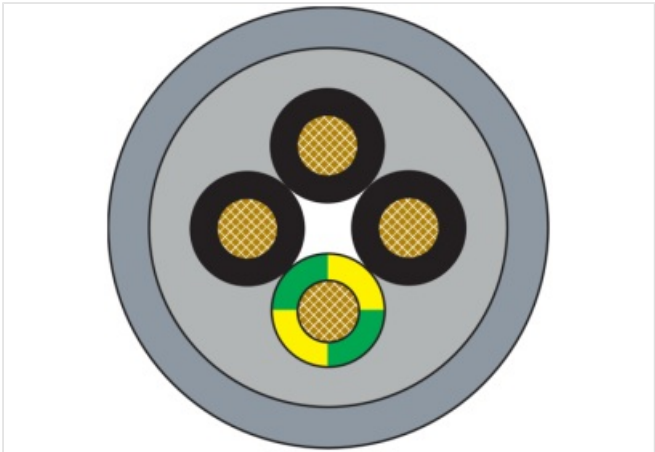
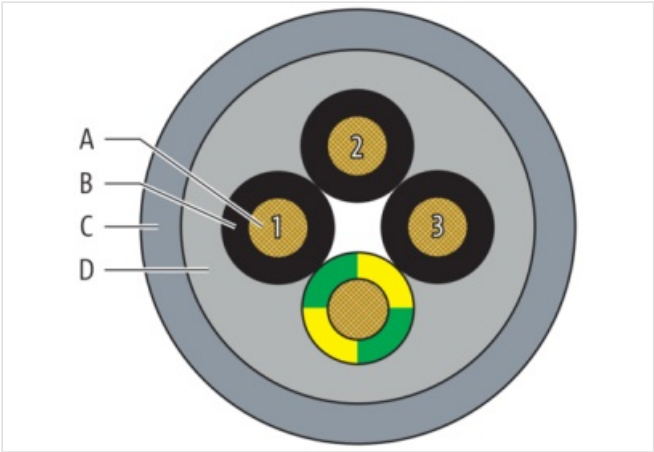
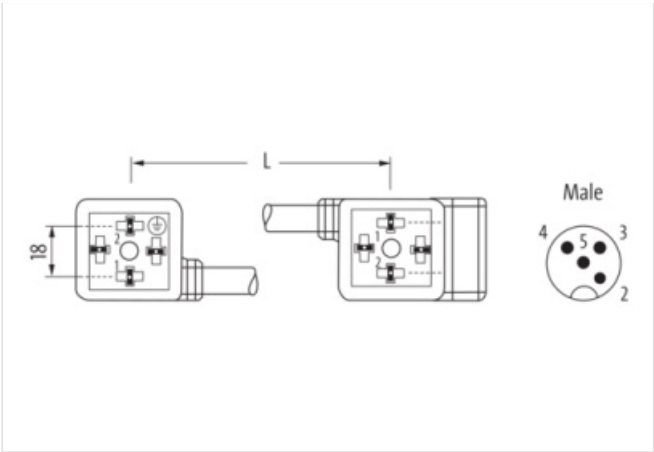
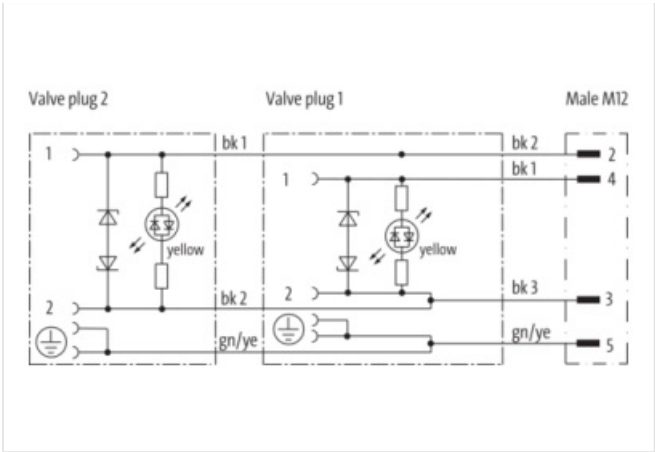
Cable sleeve

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 0,30 m

Side 1

Family construction form MSUD A

No. of poles	3
Degree of protection (EN IEC 60529)	IP67
<b>Side 2</b>	
Family construction form	MSUD A
No. of poles	3
Degree of protection (EN IEC 60529)	IP67
<b>Side 3</b>	
Family construction form	M12
No. of poles	4
Coding	A
Degree of protection (EN IEC 60529)	IP67
<b>Commercial data</b>	
URL Webshop	<a href="https://shop.murrelektronik.com/7000-41591-2270030">https://shop.murrelektronik.com/7000-41591-2270030</a>
customs tariff number	85444290
EAN	4048879689106
Packaging unit	1
<b>Electrical data   Supply</b>	
Operating voltage AC	24 V
Operating voltage AC min.	19.2 V
Operating voltage AC max.	28.8 V
Operating voltage DC	24 V
Operating voltage DC min.	18 V
Operating voltage DC max.	30 V
Current consumption max.	15 mA
<b>Installation   Connection</b>	
Tightening torque	0.6 Nm
Width across flats	SW 13
<b>Device protection   Electrical</b>	
Degree of protection (EN IEC 60529)	IP67
Pollution Degree	3
Additional suppressor	Z-Diode
Rated surge voltage	0.8 kV
Material group (IEC 60664-1)	I
<b>Mechanical data   Material data</b>	
Locking material screw	Zinc die-casting
Locking screw coating	nickel plated
<b>Mechanical data   Mounting data</b>	
Mounting method	inserted, screwed
<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>Installation   Cable</b>	
Cable identification	227
Cable Type	2
Amount stranding	1
Stranding	4 wires stranded
Wire arrangement	black 1, black 2, black 3, green-yellow
Cable weight	80.19 g/m
Material wire insulation	PVC

Amount wires	4
Outer diameter insulation	1.8 mm
Outer diameter tolerance core insulation	± 0.1 mm
Shore hardness wire insulation	43 5 Shore D
Material properties wire insulation	good machinability
Ingredient freeness wire insulation	CFC-free, cadmium-free, silicone-free, lead-free
Printing color of wire insulation	white (isolation black)
Amount strands (wire)	42
Diameter of single wires	0.15 mm
Conductor crosssection (wire)	0.75 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Outer-diameter (jacket)	7 mm
Tolerance outer diameter (sheath)	± 5 %
Material jacket	PUR
Shore hardness jacket	85 5 Shore A
Freedom from ingredients (jacket)	CFC-free, cadmium-free, silicone-free, lead-free
Material property (jacket)	matte, good machinability, abrasion-resistant, low adhesion
Material inner jacket	PVC
Color (inner jacket)	gray
Conductor resistance (wire)	26 Ω/km @ 20 °C
Nominal voltage AC max.	300 V
Withstand voltage (wire - wire)	2 kV @ 60 s
Withstand voltage (wire - jacket)	2 kV @ 60 s
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	9.6 A
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
Oil resistance	good
Chemical resistance	good
Other resistances	good resistance to gasoline, resistant to hydrolysis, resistant to microbes
Bending radius (fixed)	10 × Outer diameter
Bending radius (dynamic)	15 × Outer diameter
No. of bending cycles (C-track)	2 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track)	3.3 m/s @ 25 °C
Acceleration (C-track)	5 m/s <sup>2</sup> @ 25 °C