

# PUR servo cables · halogen-free

## LÜTZE-SILFLEX® M (C) PUR motor cables 0.6/1 kV With or without shielded control pair



### Application

- Motor supply cable in machine and device construction, transport and conveyor technology, heating, climate technology
- Especially for industrial environments with high interference potential, in machine, plant and device construction
- Cables with integrated, shielded measurement circuit cable for motor protector devices
- For flexible application without compulsory guide

### Properties

- High active and passive interference resistance
- Low capacitance, very good electrical properties
- Very good cold flexibility
- Halogen-free, no corrosive gases
- Low adhesion, abrasion-resistant, nick-resistant, tear-propagation-resistant
- Hydrolysis-resistant, microbe-resistant, and rot-resistant
- Weathering, ozone and UV resistant (normal lighting conditions)
- Good resistance to use and salt water
- Excellent coolant and lubricant resistance
- Largely resistant to oils, greases, alcohol-free benzines and kerosene
- Free from paint wetting impairment substances (LABS-free), RoHS-compliant

### Technical data

Voltage	
U <sub>0</sub> /U	0.6/1 kV
Test voltage	4000 V
Insulation resistance	min. 100 MΩ × km
Temperature range	
moving	-25 °C to +80 °C
fixed	-40 °C to +80 °C
Minimum bending radius	
moving	Cable diameter × 10
fixed	Cable diameter × 6
Burning behaviour	Flame-retardant according to VDE 0482 part 265-2; DIN EN 50265-2; IEC 60332-1

### Design

- Bare copper wire, multi-strand according to DIN VDE 0295 Kl. 5 or IEC 60228 cl. 5
- Special thermoplastic conductor insulation
- Conductor marking: Power conductors black with number print U/L1/C/L+; V/L2; W/L3/D/L-
- Ground conductor greenyellow according to DIN EN 50334  
G = with greenyellow ground conductor; × = without ground conductor
- Control pair(s) (black; white) or (5,6) (7,8) control pair(s) with braided shield and foil banding
- Meshwork from tinned copper wire braid, optical covering ≥ 85 %
- Full polyurethane jacket, matt, adhesion-free surface
- Jacket colour orange RAL 2003

Part-No.	Number of strands/cross-section	Outer-∅ approx. mm	Weight kg/100 m	Cu-Index kg/100 m
<b>without control pair</b>				
111720	(4G1.5)	9.8	13.8	9.0
111721	(4G2.5)	11.3	20.3	13.3
111722	(4G4)	13.4	29.3	21.2
111723	(4G6)	14.9	39.5	29.7
111724	(4G10)	18.8	65.1	46.7
111725	(4G16)	21.5	93.8	71.4
<b>with control pair</b>				
108515	(4G1.5+2×(2×1.5))	12.5	24.6	15.3
108516	(4G2.5+2×(2×1.5))	14.1	32.4	20.8
108517	(4G4+2×(2×1.5))	15.8	41.5	27.4
108518	(4G6+2×(2×1.5))	16.7	52.7	35.9
108519	(4G10+2×(2×1.5))	19.1	75.4	52.1
108520	(4G16+2×(2×1.5))	21.0	102.7	75.9
108521	(4G25+2×(2×1.5))	28.5	156.0	115.4
108522	(4G35+2×(2×1.5))	31.8	201.7	155.5
<b>with two control pairs</b>				
108524	(4G1.5+2×(2×0.75)StC)	14.5	32.5	19.4
108525	(4G2.5+2×(2×0.75)StC)	15.6	38.7	23.3
108526	(4G4+2×(2×1.0)StC)	17.3	49.6	30.9
108527	(4G6+2×(2×1.0)StC)	18.4	60.1	39.4
108528	(4G10+2×(2×1.0)StC)	22.5	86.0	56.4
108529	(4G16+2×(2×1.5)StC)	23.4	114.4	82.2
108530	(4G25+2×(2×1.5)StC)	26.5	160.0	118.4
108531	(4G35+2×(2×1.5)StC)	34.1	208.5	159.3

CE These products are in conformity with the EU Low Voltage Directive 2006/95/EC