

# PUR c-track cables · For highest requirements

## LÜTZE SUPERFLEX® PLUS M (C) PUR SERVO 0.6/1kV Supply Line Motor/Brake



### Application

- Termination cable motor/brake especially for frequency converters and SERVO drives in machine and plant construction, transport and conveyor technology
- Through full PUR jacket and TPE / HGI cable insulation optimally suited for c-tracks, extremely harsh operating conditions and aggressive coolants and lubricants
- Especially for industrial environments, machines and plants

### Properties

- High active and passive interference resistance (EMC)
- Braided shield optimised for flexible use
- Very good alternating bending strength
- 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 (see tech. information)
- Free from paint wetting impairment substances (LABS-free), RoHS-compliant

### Technical data

UL approval	1000 V 80 °C
Voltage	
VDE U <sub>0</sub> /U	0.6/1 kV
Test voltage	4000 V
Insulation resistance	min. 500 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; IEC 60332-1; UL 1581 section 1080 VW-1; CSA FT 1
Halogen-free	according to DIN EN 202641-1, EN 50267-2-1, EN 60684-2

### Design

- Bare copper wire, superfine strand according to DIN VDE 0295 Kl. 6 or IEC 60228 cl. 6
- Special TPE/HGI conductor insulation, UL qualified
- 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 quads: (black; white; red; yellow)  
Three-way element: Number print (1, 2, 3)  
Control pair(s)/Control quads with braided shield and foil banding
- Conductors twisted without mechanical stress, layer pitch optimised
- Non-woven material over stranded cable
- Meshwork from tinned copper wire braid, optical covering ≥ 85 %
- Full polyurethane jacket, matt, adhesion-free surface
- Jacket colour Orange RAL 2003; Petrol RAL 5018

Part-No.	Number of strands/cross-section	Outer-Ø approx. mm	Weight kg/100 m	Cu-Index kg/100 m
<b>Design with control pair</b>				
111439	(4G1.0 + (2×0.5))	9.4	15.5	9.3
111469	(4G1.0+(2×0.75))	9.6	14.5	8.1
111420	(4G1.5+(2×1.5))	10.5	21.0	13.5
111421	(4G2.5+(2×1.5))	12.1	23.5	17.5
111422	(4G4+(2×1.5))	13.6	32.0	25.4
111423	(4G6+(2×1.5))	15.5	43.0	34.3
111424	(4G10+(2×1.5))	18.8	68.0	50.5
111425	(4G16+(2×1.5))	22.1	86.0	77.2
111426	(4G25+(2×1.5))	25.8	136.5	115.0
111427	(4G35+(2×1.5))	29.0	274.6	157.0
111428	(4G50+(2×1.5))	33.3	373.7	218.0
<b>Without UL approval, jacket colour petrol RAL 5018</b>				
111400	(4G1.5 + (2×1.5))	19.0	16.0	11.2
111401	(4G2.5 + (2×1.5))	11.4	21.1	15.5
111402	(4G4.0 + (2×1.5))	12.9	28.8	22.1
<b>Design with two control pairs</b>				
111270	(4G1.0+2×(2×0.75)StC)	11.6	23.2	14.0
111271	(4G1.5+2×(2×0.75)StC)	12.5	25.5	16.2
111272	(4G2.5+2×(2×0.75)StC)	13.5	31.9	21.5
111279	(4G×2.5+2×(2×1.0)StC)	13.7	33.0	23.0
111273	(4G4+2×(2×1.0)StC)	15.6	41.1	28.8
111280	(4G4+2×(2×1.5)StC)	16.0	45.4	33.8
111274	(4G6+2×(2×1.0)StC)	16.4	51.2	36.8
111281	(4G6+2×(2×1.5)StC)	17.9	54.0	39.5
111275	(4G10+2×(2×1.0)StC)	19.3	73.0	56.9
111282	(4G10+2×(2×1.5)StC)	19.8	73.5	59.5
111276	(4G16+2×(2×1.5)StC)	23.2	106.4	82.3
111277	(4G25+2×(2×1.5)StC)	29.4	171.4	119.2
111278	(4G35+2×(2×1.5)StC)	32.0	217.6	158.8
<b>Design with four-way element for linear drives, with inside jacket</b>				
111530	(4G1.5+(4×0.5))	12.0	23.8	13.1
111531	(4G2.5+(4×0.5))	13.5	28.9	17.4
111532	(4G4+(4×0.5))	15.3	40.9	25.5
111533	(4G6+(4×0.5))	16.9	52.0	33.5
111534	(4G10+(4×0.5))	19.9	73.9	50.8
111535	(4G16+(4×0.5))	22.3	100.9	74.9
<b>Design with three-way element, with inside jacket</b>				
111560	(4G1.5+(3×1.0))	15.5	35.3	16.5
111561	(4G2.5+(3×1.0))	16.5	43.3	20.2
111562	(4G4+(3×1.0))	17.6	54.8	25.5
111563	(4G6+(3×1.0))	18.8	72.3	33.5
111564	(4G10+(3×1.0))	20.2	109.5	51.0

CE These products are in conformity to the EC Low Voltage Directive 73/23/EWG or 93/68/EWG respectively