

PUR c-track cables · For highest requirements

LÜTZE SUPERFLEX® PLUS M PUR 0.6/1 kV Motor/Power supply cable



Application

- Motor connection cable, specifically for machine and device construction, transport and conveyor technology
- Through full PUR jacket and TPE / HGI conductor insulation optimally suited for c-tracks, extremely harsh operating conditions and aggressive coolants and lubricants
- Especially for industrial environments, machines and plants

Properties

- 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	
U ₀ /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 × 7.5
fixed	Cable diameter × 4
Burning behaviour	Flame-retardant according to VDE 0482 part 265-2; DIN EN 50265-2; 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
- Conductors black with white imprint
- Ground conductor greenyellow according to DIN EN 50334 G = with greenyellow ground conductor; × = without ground conductor
- Conductors twisted without mechanical stress, layer pitch optimised
- Non-woven material over stranded cable
- Full polyurethane jacket, matt, adhesion-free surface
- Jacket colour black RAL 9005

Part-No.	Number of strands/cross-section	Outer-∅ approx. mm	Weight kg/100 m	Cu-Index kg/100 m
111370	4G1.5	7.7	12.1	5.8
111371	4G2.5	9.3	14.3	9.6
111372	4G4	10.8	23.3	15.4
111373	4G6	12.9	32.8	23.1
111374	4G10	15.5	52.5	38.4
111375	4G16	18.8	99.0	61.4
111376	4G25	23.7	120.0	96.0
111377	4G35	26.6	185.0	134.4
111378	4G50	31.8	245.0	192.0
111545	5G4	12.1	28.5	19.4
111430	5G6	14.5	40.0	28.9
111429	5G10	18.2	75.0	49.0
111548	5G16	20.8	116.6	76.8
111549	5G25	26.3	148.0	121.0

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

PUR c-track cables · For highest requirements

LÜTZE SUPERFLEX® PLUS PUR 0.6/1kV LÜTZE SUPERFLEX® PLUS (C) PUR 0.6/1kV Motor/Power supply cable



Application

- Performance cable, specifically for machine and device construction for transport and conveyor technology
- As motor supply or ground conductor
- Through full PUR jacket and TPE cable insulation optimally suited for c-tracks, extremely harsh operating conditions, aggressive coolants and lubricants
- Especially for industrial environments, machines and plants

Properties

- Flame-retardant, self-extinguishing
- halogen-free, no corrosive gases
- 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
- Free from paint wetting impairment substances (LABS-free), RoHS-compliant

Technical data

UL approval	1000 V 80 °C
Voltage	
U ₀ /U	0.6/1 kV
Test voltage	4000 V
Insulation resistance	min. 200 MΩ × km
Temperature range	
moving	-25 °C to +80 °C
fixed	-40 °C to +80 °C
Minimum bending radius	
moving	Cable diameter × 7.5
fixed	Cable diameter × 6
Burning behaviour	Flame-retardant according to VDE 0482 part 265-2; DIN EN 50265-2; IEC 60332-1; UL 1581 section 1080 VW-1; CSA FT 1
Halogen-free	according to DIN EN 50264-1; EN 50267-2-1 and EN 60684-2

Design

- Bare copper wire, finest multi-strand according to DIN VDE 0295 class 6, IEC 60228 class 6
- Special TPE conductor insulation, UL qualified
- Meshwork shielding (optional) from galvanised Cu wire, optical covering ≥ 85 %
- Full polyurethane jacket, matt, adhesion-free surface
- Jacket colour black RAL 9005; green/yellow upon request

Part-No.	Number of strands/cross-section/ strand colours	Outer-Ø approx. mm	Weight kg/100 m	Cu-Index kg/100 m
Without shield, black				
111135	1×4	6.4	6.6	3.7
111136	1×6	7.1	9.0	5.6
111126	1×10	8.4	13.8	9.3
111127	1×16	9.8	20.5	14.8
111128	1×25	11.4	30.6	23.3
111129	1×35	13.4	43.1	32.6
111130	1×50	15.2	57.2	47.8
111131	1×70	16.6	78.3	64.5
111132	1×95	19.2	104.3	88.8
111133	1×120	22.2	130.2	120.0
Without screen, insulation and jacket green/yellow				
111242	1×4	6.4	6.6	3.7
111241	1×6	7.1	9.0	5.6
111243	1×10	8.4	13.8	9.3
111197	1×16	9.8	20.5	14.8
111337	1×25	11.4	30.6	23.3
111285	1×35	13.4	43.1	32.6
With CU shield, black				
111287	(1×4)	7.0	8.6	5.5
111288	(1×6)	7.7	11.5	7.7
111289	(1×10)	9.0	17.1	12.1
111290	(1×16)	10.4	24.1	18.1
111291	(1×25)	12.0	35.3	27.3
111292	(1×35)	14.0	48.1	37.3
111293	(1×50)	15.8	63.1	53.1
111294	(1×70)	17.4	85.3	70.6
111295	(1×95)	20.2	114.6	98.0
111296	(1×120)	23.4	143.1	132.0

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