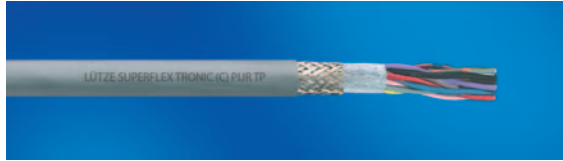


PUR C-track cable · For the highest requirements

LÜTZE-SUPERFLEX® TRONIC (C)PUR TP



low capacity

halogenfree



Application

- Robots, energy carrying tracks as well as everywhere where signals are transmitted to continuously moving system or machine parts
- Machine and device construction, transport and conveyor technology, heating, climate technology
- In dry and moist rooms
- As control, measurement and regulation cable for continuous bending loads with the highest service life requirements

Properties

- Halogen-free, no corrosive gases
- High active and passive interference resistance
- High crosstalk attenuation through paired stranding
- Braided shield optimised for continuous flexible use
- Very good alternating bending strength
- Low adhesion, abrasion-proof, nick-resistant, tear-propagation-resistant
- Hydrolysis-resistant, microbe-resistant, and rot-resistant
- Good industrial- and salt water resistance
- Excellent coolant and lubricant resistance
- Widely resistant to oils, greases, alcohol-free benzines and kerosene
- Free from paint wetting disruptive substances (LABS-free)
- RoHS-compliant

Technical data

UL approval	300 V 80 °C
Nominal voltage	300 V
Test voltage	3000 V
Isolation resistance	min. 20 MΩ × km
Temperature range	
moving	-25 °C to +80 °C
fixed	-40 °C to +80 °C
Minimum bending radius	
moving	Cable diameter × 12
fixed	Cable diameter × 6
Burning behaviour	Flame-retardant according to UL VVW-1; DIN EN 50265-2-1
Oil resistant	according to UL 4d100C and DIN EN 60811-2-1

Design

- Bare copper wire, finest multi-strand according to DIN VDE 0295 class 6, IEC 60228 class 6
- Special-TPE conductor insulation
- Conductors colour-coded according to DIN 47100
- Zero-potential paired stranding, 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 grey RAL 7001

Part-No.	Number of strands/cross-section	Outer-Ø approx. mm	Weight kg/100 m	Cu-Index kg/100 m
0.25 mm²				
117170	(2×2×0,25)	6.3	5.8	2.1
117171	(3×2×0,25)	6.6	6.9	2.7
117172	(4×2×0,25)	6.8	7.6	3.3
117173	(5×2×0,25)	7.4	10.1	4.3
117177	(6×2×0,25)	8.1	12.6	5.1
117174	(8×2×0,25)	9.4	15.1	5.8
117175	(10×2×0,25)	10.5	18.2	7.0
117176	(12×2×0,25)	11.0	19.8	8.2
0.34 mm²				
117180	(2×2×0,34)	6.6	5.2	2.5
117181	(3×2×0,34)	6.9	6.5	3.3
117182	(4×2×0,34)	7.4	7.6	4.1
117183	(5×2×0,34)	8.0	8.7	5.2
117184	(6×2×0,34)	8.6	9.9	6.4
117185	(8×2×0,34)	10.0	12.2	7.3
117186	(10×2×0,34)	10.8	16.6	9.0
117187	(12×2×0,34)	11.1	17.4	10.4
0.5 mm²				
117190	(2×2×0,5)	7.3	6.3	3.4
117191	(3×2×0,5)	7.7	8.0	4.5
117303	(4×2×0,5)	8.2	9.4	5.6
117192	(5×2×0,5)	8.9	10.9	7.0
117193	(6×2×0,5)	9.9	12.5	8.9
117194	(8×2×0,5)	11.2	16.2	10.2
117195	(10×2×0,5)	12.0	19.8	12.5
117196	(12×2×0,5)	13.0	22.2	16.3
0.75 mm²				
117199	(2×2×0,75)	8.5	9.0	4.7
117201	(3×2×0,75)	8.9	10.8	6.2
117202	(4×2×0,75)	9.7	14.1	7.8
117203	(5×2×0,75)	10.6	16.4	10.9
117204	(6×2×0,75)	11.6	18.8	12.8
117205	(8×2×0,75)	13.4	23.4	16.0
117206	(10×2×0,75)	14.5	29.4	19.6
117207	(12×2×0,75)	14.9	35.2	23.0

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