PUR C-track cable · For the highest requirements

LÜTZE SUPERFLEX® TRONIC (C)PUR

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
- Very good alternating bending strength
- Low adhesion, abrasion-proof, nick-resistant, tear-propagation-resistant
- Hydrolisis-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 VW-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
- 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 grey RAL 7001

Part-No.	Number of strands/cross-section	Outer-∅ approx. mm	Weight kg/100 m	Cu-Index kg/100 m
0.14 mm²				
117090	(2×0,14)	4.0	3.1	1.1
117091	(3×0,14)	4.1	3.3	1.2
117092	(4×0,14)	4.3	3.5	1.4
117093	(5×0,14)	4.7	4.3	1.6
117094	(7×0,14)	5.0	6.5	2.0
117095	(10×0,14)	6.2	8.5	2.8
117096	(12×0,14)	6.4	9.9	3.1
117097	(18×0,14)	7.5	11.5	4.2
117098	(25×0,14)	8.9	15.4	6.1
0.25 mm²				
117099	(2×0,25)	4.3	3.5	1.3
117100	(3×0,25)	4.5	4.2	1.7
117101	(4×0,25)	4.9	5.7	2.2
117102	(5×0,25)	5.2	6.6	2.3
117103	(7×0,25)	5.7	8.2	3.1
117104	(10×0,25)	6.9	10.7	4.1
117105	(12×0,25)	7.1	12.4	4.7
117106	(18×0,25)	8.2	15.8	7.2
117107	(25×0,25)	9.4	20.9	9.3
0.34 mm²				
117108	(2×0,34)	4.5	4.2	1.6
117109	(3×0,34)	4.7	5.7	2.0
117111	(5×0,34)	5.4	7.9	2.8
117112	(7×0,34)	6.0	10.6	3.7
117113	(10×0,34)	7.4	14.2	5.0
117114	(12×0,34)	7.7	16.2	5.7
117115	(18×0,34)	9.0	21.3	8.7
117116	(25×0,34)	10.7	30.9	12.0

CE These products are in conformity to the EC Low Voltage Directive73/23/EWG or 93/68/EWG respectively