## Technical data sheet · LÜTZE SUPERFLEX<sup>®</sup> TRONIC (C) PUR Shielded electronic cable UL recognized For highest requirements



PVC electronic cables · C-track compatible · Shielded

Identification	Туре	(7×0.25)
	Part-No.	117103
Use/Application/Characteristics		
Application	<ul> <li>Robots, drag chains as well as everywhere where signals are transmitted to continuously moving system or machine parts</li> <li>Machine and device construction, transport and conveyor technology, heating, climate technology</li> <li>In dry and damp rooms</li> <li>As monitoring, measurement and control cable for continuous flexing applications</li> <li>Especially for industrial environments with high EMI potential in machine, plant and</li> </ul>	

device construction

17.06.2015 - Subject to technical modification

Part-No. 117103

USA: LUTZE INC. 13330 South Ridge Drive • Ch

13330 South Ridge Drive • Charlotte, NC 28273, USA Tel. +1 (704) 504-0222 • Fax +1 (704) 504-0223 www.lutze.com • info@lutze.com

United Kingdom: LÜTZE Ltd. Unit 3, Sandy Hill Park Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2 www.lutze.com • sales.gb@lutze.co.uk



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Characteristics	<ul> <li>High active and passive interference resistance (EMC)</li> <li>Braided shield optimized for continuous flexing applications</li> <li>Low capacitance, very good electrical properties</li> <li>Flame-retardant, self-extinguishing</li> <li>Halogen-free, no corrosive gases</li> <li>Very good flexing strength</li> <li>Low adhesion, Abrasion-resistant, Tear resistant</li> <li>Hydrolysis-resistant, microbe-resistant, and rot-resistant</li> <li>Good resistance to wear and salt water</li> <li>Excellent coolant and lubricant resistance</li> <li>Largely resistant to oils, greases, alcohol-free benzines and kerosene</li> <li>Silicone free</li> </ul>		
	RoHS-compliant		
Technical data			
UL approval	AWM 20549		
Nominal voltage	300 V 80 °C		
Test voltage	3000 V		
Insulation resistance	min. 1000 M $\Omega$ × km		
Temperature range	moving	-25 °C to +80 °C	
	fixed	-40 °C to +80 °C	
Minimum bending radius	moving	D × 12	
	fixed	D × 6	
Jacket material	PUR		
Burning behavior	Flame-retardant according to DIN EN 60332-2-2, UL Horizontal Flame Test		
Halogen free	according to EN 50267-2-1		
OD Ø	0.228 inches		
Weight	34.0 Lbs/Mft		
Copper	21 Lbs/Mft		
Construction			
Number of strands/cross-section	(7×0.25)		
Conductor structure	Bare copper wire, super finely stranded according to DIN VDE 0295 class 6, IEC 60228 class 6		
Conductor insulation	Special-TPE		
Conductor marking	Conductors color-coded according to DIN 47100		
Stranding	Conductors cabled without mechanical stress, layer pitch optimized		
Banding	Fleece wrap over cable core		
Overall shield	Braid from tinned copper wire, optical coverage ≥ 85 %		
Outer jacket	Jacket special-PUR, matte, adhesion-free surface		
Jacket color	gray RAL 7001		

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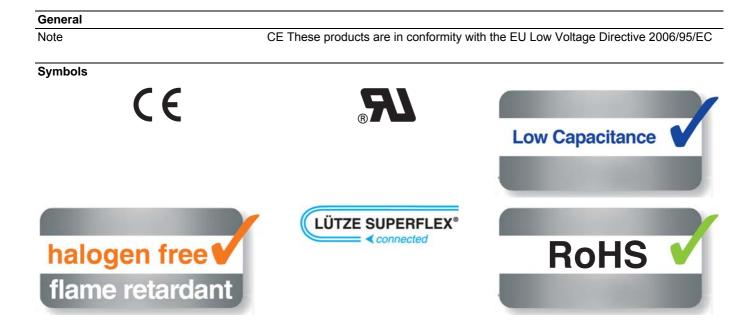
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