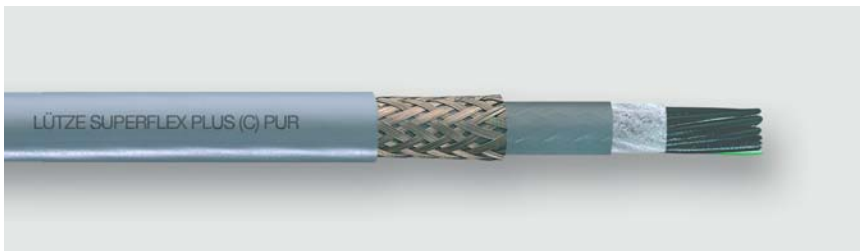


Technical data sheet - LÜTZE SUPERFLEX[®] PLUS N (C) PUR UL 300 V

For highest requirements



PUR control cables · C-track compatible · shielded

Identification	Type	(5G0,5)
	Part-No.	113301

Use/Area of application

Application	<ul style="list-style-type: none"> • Machine and device construction, transport and conveyor technology • Full PUR jacket and TPE conductor insulation (HGI) optimally suited for c-tracks, extremely harsh operating conditions and aggressive coolants and lubricants • Especially for industrial environments with high EMI potential in machine, plant and device construction
Properties	<ul style="list-style-type: none"> • Reduced friction due to very smooth conductor insulation (HGI) for high mechanical loads • High active and passive interference resistance (EMC) • Braided shield optimised for continuous flexing applications • Low capacitance, very good electrical properties • Flame-retardant, self-extinguishing • Halogen-free, no corrosive gases • Very good flexing strength • Low adhesion, Abrasion-resistant, Tear resistant • Hydrolysis-resistant, microbe-resistant, and rot-resistant • Weathering, ozone and UV resistant (normal lighting conditions) • Good resistance to wear and salt water • Excellent coolant and lubricant resistance • Largely resistant to oils, greases, alcohol-free benzines and kerosene • Silicone free • RoHS-compliant

13.11.2013 – Subject to technical modification

Part-No. 113301

USA: LUTZE INC.

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

Technical data sheet - LÜTZE SUPERFLEX® PLUS N (C) PUR UL 300 V

For highest requirements

Technical data

UL approval	AWM 20233	
Voltage	U ₀ /U	300/500 V
Nominal voltage	300 V 80 °C	
Test voltage	3000 V	
Insulation resistance	min. 100 MΩ × km	
Temperature range	moving	-25 °C to +80 °C
	fixed	-40 °C to +80 °C
Minimum bending radius	moving	D × 10
	fixed	D × 6
Jacket material	PUR	
Radiation-resistance	5×10 ⁸ cJ/kg	
Fire performance	Flame-retardant according to VDE 0482 part 265-2; DIN EN 50265-2, IEC 60332-1, UL 1581 section VW-1 Flame-Test, CSA FT 1	
Halogen-free	according to EN 50267-2-1	
Outer-∅	7.5 approx. mm	
Outer ∅	0.327 ca. mm / in	
Weight	7.3 kg/100 m	
Weight	56.3 Lbs/Mft	
Cu-Index	3.9 kg/100 m	
	26 Lbs/Mft	

Design

Number of strands/cross-section	(5G0.5)
Conductor structure	Bare copper wire, finest multi-strand according to DIN VDE 0295 class 6, IEC 60228 class 6
Conductor insulation	Special TPE/HGI conductor insulation, UL certified
Conductor labelling	Conductors black with white number print according to DIN EN 50334
Ground conductor	green/yellow according to DIN EN 50334 in the top layer
Stranding	Conductors twisted without mechanical stress, layer pitch optimised
Banding	Non-woven material over the stranded cable
Inside jacket	TPE
Overall shield	Tinned copper wire braid, optical covering ≥ 85 %
Outer jacket	Full polyurethane jacket, matt, adhesion-free surface
Jacket colour	grey RAL 7001

General

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

Logo

13.11.2013 – Subject to technical modification

Part-No. 113301

USA: LUTZE INC.

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



SYSTEMATIC TECHNOLOGY

Technical data sheet - LÜTZE SUPERFLEX® PLUS N (C) PUR UL 300 V
For highest requirements



13.11.2013 – Subject to technical modification

Part-No. 113301

USA: LUTZE INC.

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