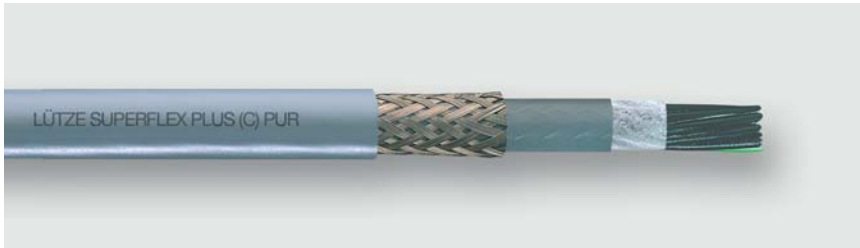


Technical data sheet - LÜTZE SUPERFLEX[®] PLUS N (C) PUR 600 V

For highest requirements



PUR control cables · C-track compatible · shielded

Identification	Type	(12G2,5)
	Part-No.	113344

Use/Application/Characteristics

Application	<ul style="list-style-type: none">• Machine and device construction, transport and conveyor technology, HVAC technology• In areas with high concentrations of people or material assets, where corrosive gases need to be avoided in the event of fire• As a monitoring, measurement and control cable for industrial applications• Especially for rough environments• For installation in energy chains with constant linear movement• Anywhere where electrical interference fields can influence the signal transmission
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18.06.2015 – Subject to technical modification

Part-No. 113344

USA: LUTZE INC.

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www.lutze.com • info@lutze.com

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Characteristics	<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 optimized 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
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Technical data

UL approval	AWM 20234	
Voltage	U ₀ /U	300/500 V
	UL	600 V
Nominal voltage	600 V 80 °C	
Test voltage	6000 V	
Insulation resistance	min. 1000 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	
Burning behavior	Flame-retardant according to VDE 0482 part 265-2; DIN EN 50265-2, IEC 60332-1, UL 1581 section Cable Flame-Test, CSA FT 1	
Halogen free	according to EN 50267-2-1	
OD Ø	0.673 inches	
Weight	325.0 Lbs/Mft	
Copper	236 Lbs/Mft	

Construction

Number of strands/cross-section	(12G2.5)
Conductor structure	Bare copper wire, super finely stranded according to DIN VDE 0295 class 6, IEC 60228 class 6
Conductor insulation	Special TPE, high glide
Conductor marking	Conductors black with white number print according to DIN EN 50334

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SYSTEMATIC TECHNOLOGY

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Ground conductor	green/yellow according to DIN EN 50334 in the top layer
Stranding	Conductors cabled without mechanical stress, layer pitch optimized
Banding	Fleece wrap over cable core
Sub jacket	TPE
Overall shield	Braid from tinned copper wire, optical coverage $\geq 85\%$
Outer jacket	Jacket full PUR
Jacket color	gray RAL 7001

General

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

Symbols



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