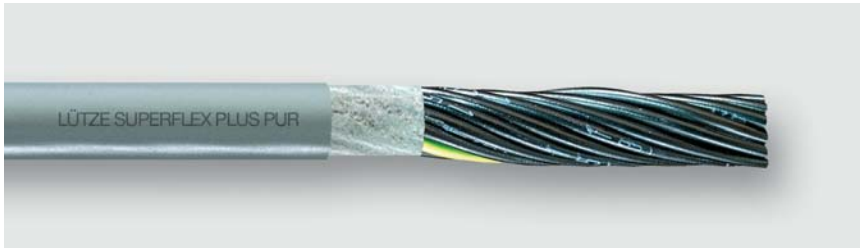


Technical data sheet - LÜTZE SUPERFLEX® PLUS N PUR 600 V

For highest requirements



PUR control cables · C-track compatible · unshielded

Identification	Type	4G1,5
	Part-No.	113412

Use/Application/Characteristics

Application	<ul style="list-style-type: none"> • Maschinen- und Apparatebau, Transport- und Fördertechnik, Heizung- und Klimatechnik • In Räumen mit hoher Personen- oder Sachwertkonzentration, wo im Brandfall korrosive Gase vermieden werden müssen • Als Kontroll-, Mess- und Steuerleitung in industriellen Anwendungen • Speziell für raue Umgebung • Zur Installation in Energieführungsketten mit ständig linearer Bewegung
Characteristics	<ul style="list-style-type: none"> • Reduced friction due to very smooth conductor insulation (HGI) for high mechanical loads • 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

28.10.2014 – Subject to technical modification

Part-No. 113412

USA: LUTZE INC.

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 Tel. +1 (704) 504-0222 • Fax +1 (704) 504-0223
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SYSTEMATIC TECHNOLOGY

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Technical data

UL approval	AWM 20234	
Voltage	U ₀ /U	300/500 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 × 7.5
	fixed	D × 4
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	0.343 inches	
Weight	76.0 Lbs/Mft	
Copper	40 Lbs/Mft	

Construction

Number of strands/cross-section	4G1.5
Conductor structure	Bare copper wire, finest multi-strand according to DIN VDE 0295 class 6, IEC 60228 class 6
Conductor insulation	Spezial-TPE, hochgleitend
Conductor marking	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 cabled without mechanical stress, layer pitch optimized
Banding	Non-woven material over the stranded cable
Outer jacket	Mantel Voll-PUR
Jacket color	gray RAL 7001

General

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

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