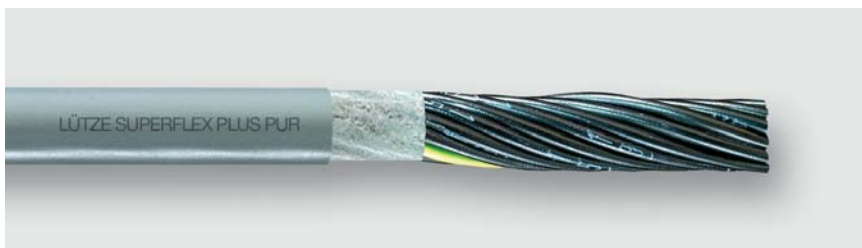


Technical data sheet · LÜTZE SUPERFLEX® PLUS N PUR 600 V

For highest requirements



PUR control cables · C-track compatible · unshielded

Identification	Type	4G1,0
	Part-No.	113572

Use/Application/Characteristics

Application	• 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	• 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. 113572

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 PUR 600 V

For highest requirements

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	7.900 inches	
Weight	57.0 Lbs/Mft	
Copper	27 Lbs/Mft	

Construction

Number of strands/cross-section	4G1.0
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
------	---

Symbols

28.10.2014 – Subject to technical modification

Part-No. 113572

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 PUR 600 V
For highest requirements



28.10.2014 – Subject to technical modification

Part-No. 113572

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