

Technical data sheet · LÜTZE SUPERFLEX® PLUS PUR 0.6/1kV

PUR motor cables · C-track compatible



Identification	Type	SU+PUR 1×70 UL 1KV SW
	Part-No.	111131

Use/Application/Characteristics

Application	<ul style="list-style-type: none">• Performance conductor, specifically for machine and device engineering, transport and conveyor technology• As motor supply or grounding cable• Due to full PUR jacket and TPE conductor insulation optimally suited for c-tracks, extremely rough operating conditions and aggressive coolants and lubricants• Especially for industrial environments, machines and plants
Characteristics	<ul style="list-style-type: none">• Halogen-free, no corrosive gases• Very good alternating bending strength• Low adhesion, abrasion-resistant, nick-resistant, tear-propagation-resistant• Hydrolysis-resistant, microbe-resistant, and rot-resistant• Weatherproof, ozone and UV resistant (normal lighting conditions)• Good ruggedness and salt water resistance• Excellent coolant and lubricant resistance• Resistant to most oils, greases, alcohol-free benzines and kerosene• Silicone free• RoHS compliant

Construction

Description	SUPERFLEX+ PUR 0.6/1 kV
Number of conductors/cross-section	1×70
Jacket material	PUR
Jacket color	black RAL 9005

28.04.2017 – Subject to technical modification

Part-No. 111131

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 PUR 0.6/1kV

Outer Ø	16.6 mm
Outer Ø	0.654 inches
Surface	adhesion-free matt
Weight	78.3 kg/100 m
Weight	526 Lbs/Mft
Cu-Index	64.5 kg/100 m
Cu-Index	433 Lbs/Mft

Element 1

Element construction	1×70
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 class 6
Conductor marking	black
Conductor insulation	Special TPE

overall construction

Jacket characteristics	Flame-retardant Oil resistant grease-resistant petrol-resistant (alcohol-free) kerosene-resistant Silicone-free Halogen free
------------------------	--

Technical data

Rated voltage UL	1000 V
Test voltage type	AC 4000 V
Temperature range moving	-25 °C ... +80 °C
Temperature range fixed	-40 °C ... +80 °C
Minimum bending radius moving	7.5×D
Minimum bending radius fixed	6×D

Element 1

Element construction	1×70
----------------------	------

Approvals/Standards

Approvals	cURus
UL style	AWM 10587

28.04.2017 – Subject to technical modification

Part-No. 111131

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 PUR 0.6/1kV

Conformity	CE RoHS REACH
Burning behavior according to	IEC 60332-1 DIN EN 60332-1-2 VDE 0482 322-1-2 UL 1581 Part 1080 VW-1 UL FT1
Oil resistant according to	UL 4d100C VDE 0282 T 10 DIN EN 60811-2-1
Halogen free according to	DIN EN 60754-1 IEC 60754-1

General

Note CE These products are in conformity with the EU Low Voltage Directive 2014/35/EU

Symbols



28.04.2017 – Subject to technical modification

Part-No. 111131

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