

Technical data sheet

PUR motor cables · C-track compatible · unshielded

LUTZE SUPERFLEX® PLUS PUR 0.6/1kV

For highest requirements



Identification

Type SU+ PUR 1×10 1kV SW
Part No. [111126](#)

Product version

Datasheet version 03

Use/Application/Properties

- | | |
|-------------|---|
| 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• Compatible with all major drag chain brands• Compliant with NFPA 79, Article 12.9• Through full PUR jacket and TPE conductor insulation optimally suited, extremely harsh operating conditions, aggressive coolants and lubricants |
| Properties | <ul style="list-style-type: none">• Halogen free, no corrosive gases• Very good alternating bending strength• Low adhesion, abrasion-resistant, nick-resistant, tear-resistant• Hydrolysis-resistant, microbe-resistant, and rot-resistant• Weathering, ozone and UV resistant (normal lighting conditions)• Industrial and salt water resistant• Excellent coolant and lubricant resistance• Largely resistant to oils, greases, alcohol-free benzines and kerosene• Silicone free |

Construction

Description	SUPERFLEX® PLUS PUR 0.6/1 kV
Number of conductors/cross-section	1×10
Number of conductors	1
Cross-section, metric	10 mm ²
Cross-section AWG	AWG 8
Jacket material	PUR

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12.03.2025 • Subject to technical modification

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Jacket color	black similar to RAL 9005
Outer Ø	8.4 mm
Outer Ø	0.331 inch
Surface	adhesion-free
Weight	13.8 kg/100 m
Weight	93 Lbs/Mft
Cu-Index	9.3 kg/100 m
Cu-Index	62 Lbs/Mft
Cable construction	Without shield, black

Construction Element 1

Element construction	1×10
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 Class 6
Conductor marking standard	DIN VDE 0293
Conductor insulation	Special TPE

Overall construction

Jacket characteristics	Flame-retardant Oil resistant Grease-resistant Petrol-resistant (alcohol-free) Kerosene-resistant Silicone free Halogen free
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Technical data

Rated voltage U_0/U	600/1000 V
Test voltage type	AC 3000 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	4×D
Bending cycles	≥10 Mio
Speed	5 m/s
Acceleration	50 m/s ²

Technical Data Element 1

Element construction	1×10
Operating capacitance wire-wire	approx.455 pF/m

Certifications/Standards

Certifications	cURus
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UL style	AWM 10587
Conformity	CE RoHS REACH TSCA
Burning behavior according to	IEC 60332-1 DIN EN 60332-1-2 VDE 0482 322-1-2 UL 1581 UL FT1
Oil resistant according to	UL 4d100C DIN EN 60811-404
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
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