

Technical data sheet

PUR motor cables · C-track compatible · unshielded

LUTZE SUPERFLEX® PLUS PUR 0.6/1kV

For highest requirements



Identification

Type SU+ PUR 1×95 1kV SW
Part No. [111132](#)

Product version

Datasheet version 03

Use/Application/Properties

- Application
- Performance conductor, specifically for machine and device engineering, transport and conveyor technology
 - As motor supply or grounding cable
 - Through full PUR jacket and TPE conductor insulation optimally suited for c-tracks, extremely harsh operating conditions and aggressive coolants and lubricants
 - Especially for industrial environments, machines and plants
- Properties
- 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 1×95
Number of conductors 1
Cross-section, metric 95 mm²
Cross-section AWG 3/0
Jacket material PUR

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

Germany: Friedrich Lütze GmbH

Postfach 12 24 (PLZ 71366) · Bruckwiesenstraße 17-19 · D-71384 Weinstadt
Tel. +49 (0)7151 6053-0 · Fax +49 (0)7151 6053-277(-288)
www.luetze.de · info@luetze.de

18.04.2023 · Subject to technical modification

Part No. [111132](#) · Datasheet version: 03

page 1 of 3



SYSTEMATIC TECHNOLOGY

Technical data sheet

PUR motor cables · C-track compatible · unshielded

Jacket color	black similar to RAL 9005
Outer Ø	19.2 mm
Outer Ø	0.756 inch
Surface	adhesion-free, matte
Weight	104.3 kg/100 m
Weight	701 Lbs/Mft
Cu-Index	88.8 kg/100 m
Cu-Index	597 Lbs/Mft
Cable construction	Without shield, black

Construction Element 1

Element construction	1×95
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 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	1×95
Operating capacitance wire-wire	approx.649 pF/m

Certifications/Standards

Certifications	cURus
----------------	-------

Technical data sheet

PUR motor cables · C-track compatible · unshielded

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
------	--