

Technical data sheet

Flexible Control Cable for Stationary Applications · Unshielded

LUTZE SILFLEX® N PVC



Identification

Type	SI N PVC 2×AWG18
Part No.	108401A

Product version

Datasheet version	00
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Use/Application/Properties

Application	<ul style="list-style-type: none">• Machine tools, machine and plant construction, VAC technology as well as other uses.• Compliant with NFPA 79, Article 12.9
Properties	<ul style="list-style-type: none">• Specially formulated gray PVC jacket for oil resistance• Most flexible design without Nylon for easy stripping and easy installation• Easy routing and bending due to flexibility• Easy strip design especially suited for cable assemblies• Resistance to many oils, coolants and solvents• Non-wicking fillers• Talc free and silicone free

Construction

Description	SILFLEX® N PVC
Number of conductors/cross-section	2×AWG18
Number of conductors	2
Cross-section, metric	1 mm ²
Cross-section AWG	AWG 18
Jacket material	PVC
Jacket color	grey similar to RAL 7001
Outer Ø	6.5 mm
Outer Ø	0.254 inch
Weight	34 Lbs/Mft
Cu-Index	10 Lbs/Mft

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

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SYSTEMATIC TECHNOLOGY

Technical data sheet

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Construction Element 1

Element construction	AWG18/2C
Conductor construction	AWG 18 (16/30)
Conductor	AWG conductor CU-wire bare
Conductor category	fine wire Class K
Conductor marking	black • with white number print
Conductor insulation	PVC

Overall construction

Jacket characteristics	Flame-retardant Oil resistant mineral oil-resistant coolant-resistant solvent-resistant Silicone-free
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Technical data

Rated voltage U_N	600 V UL AWM 90 °C
Temperature range fixed	-40 °C ... +90 °C
Minimum bending radius fixed	4×D

Technical Data Element 1

Element construction	AWG18/2C
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Certifications/Standards

Certifications	cURus AWM I/II A/B FT4
UL style	AWM 2587
Conformity	CE RoHS REACH TSCA
Burning behavior according to	UL VW-1
Oil resistant according to	Oil Res II

General

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