

Technical data sheet

Flexible Control Cable for Stationary Applications · Unshielded

LUTZE SILFLEX® N PVC



Identification

Type	SI N PVC 18GAWG18
Part No.	108362A

Product version

Datasheet version	00
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Use/Application/Properties

Application	• Machine tools, machine and plant construction, VAC technology as well as other uses. • Compliant with NFPA 79, Article 12.9
Properties	• 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	18×AWG18
Number of conductors	18
Cross-section, metric	1 mm ²
Cross-section AWG	AWG 18
Jacket material	PVC
Jacket color	grey similar to RAL 7001
Outer Ø	13.8 mm
Outer Ø	0.543 inch
Weight	198 Lbs/Mft
Cu-Index	90 Lbs/Mft

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Construction Element 1

Element construction	AWG18/18C
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 • green/yellow
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	AWG18/18C
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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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