

# Technical data sheet · LÜTZE SILFLEX® N PVC with UL/CE Approvals



Flexible Control Cable · Unshielded

<b>Identification</b>	Type	AWG20/18C
	Part-No.	108355A

## Use/Application/Characteristics

Application	<ul style="list-style-type: none"><li>• Multi-conductor cable for machine tools, handling equipment, machine and plant construction, transport and conveying technology</li><li>• Easy strip design specially suited for cable assemblies</li></ul>
Characteristics	<ul style="list-style-type: none"><li>• Most flexible design without Nylon for easy stripping and easy installation</li><li>• Easy routing and bending due to flexibility</li><li>• Specially formulated gray PVC jacket for oil resistance</li><li>• Resistant to mineral oils, coolants and solvents</li><li>• Non-wicking fillers</li></ul>

## Construction

Description	SILFLEX N PVC
Number of conductors/cross-section	18×AWG20
Jacket material	PVC
Jacket color	grey RAL 7001
Outer Ø	12.8 mm
Outer Ø	0.505 inches
Weight	153 Lbs/Mft
Cu-Index	56 Lbs/Mft

## Element 1

28.04.2017 – Subject to technical modification

Part-No. 108355A

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 SILFLEX® N PVC with UL/CE Approvals

Element construction	AWG20/18C
Conductor construction	AWG 20 (10/30)
Conductor	AWG conductor CU-wire bare
Conductor category	fine wire
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
------------------------	--

## Technical data

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

## Element 1

Element construction	AWG20/18C
----------------------	-----------

## Approvals/Standards

Approvals	cURus AWM I/II A/B FT4
UL style	AWM 2587
Conformity	CE RoHS REACH
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
------	--

## Symbols



28.04.2017 – Subject to technical modification

Part-No. 108355A

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



28.04.2017 – Subject to technical modification

Part-No. 108355A

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