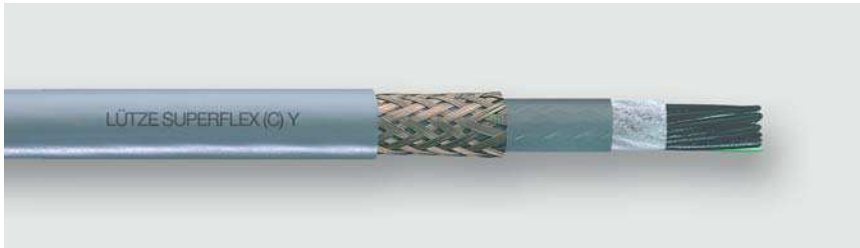


# Technical data sheet · LÜTZE SUPERFLEX® N (C) PVC

## For high requirements



PVC control cables · C-track compatible · shielded

<b>Identification</b>	Type	SU N(C)Y(18G1,5) UL
	Part-No.	A1391618

### Use/Application/Characteristics

Application	<ul style="list-style-type: none"> <li>• Machine and device construction, transport and conveyor technology, HVAC technology</li> <li>• In dry and damp rooms</li> <li>• As a monitoring, measurement and control cable for industrial applications</li> <li>• For installation in energy chains with constant linear movement</li> <li>• Anywhere where electrical interference fields can influence the signal transmission</li> </ul>
Characteristics	<ul style="list-style-type: none"> <li>• Very small cable diameters due to special TPE conductor insulation (HGI) according to UL standard</li> <li>• Reduced friction due to high glide conductor insulation (HGI) for high mechanical loads</li> <li>• Low capacitance, very good electrical properties</li> <li>• Especially developed PVC jacket according to UL class 43</li> <li>• Filler without wick effect</li> <li>• Low adhesion, abrasion-resistant, nick-resistant, tear resistant</li> <li>• Hydrolysis-resistant, microbe-resistant, and rot-resistant</li> <li>• Use in dry or damp environment</li> <li>• Silicone free</li> <li>• RoHS-compliant</li> </ul>

### Construction

Description	SUPERFLEX N (C) PVC
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Part-No. A1391618

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SYSTEMATIC TECHNOLOGY

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## For high requirements

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Number of conductors/cross-section	(18G1.5)
Jacket material	Special PVC
Jacket color	grey RAL 7001
Outer Ø	16.2 mm
Outer Ø	0.638 inches
Weight	47.4 kg/100 m
Weight	336 Lbs/Mft
Cu-Index	33.5 kg/100 m
Cu-Index	224 Lbs/Mft

### Element 1

Element construction	AWG16/18C
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 Klasse 6
Conductor marking	black with black number print green/yellow
Conductor insulation	Special TPE

### overall construction

Overall wrapping	Non-woven material
Inner jacket	PVC
Overall shield	Braid shield Tinned copper wires
Jacket characteristics	abrasion resistant tough Weather resistant hydrolysis-resistant microbe resistant rot-resistant UV resistant (normal lighting conditions) Oil resistant Flame-retardant Silicone-free

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### Technical data

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Rated voltage	600 V UL AWM
Test voltage type	AC 3000 V
Temperature range moving	-5 °C ... +80 °C
Temperature range fixed	-40 °C ... +80 °C

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## For high requirements

Minimum bending radius moving	10×D
Minimum bending radius fixed	6×D

### Element 1

Element construction	AWG16/18C
Insulation resistance at 20°C	100.0 MΩ×km

### Approvals/Standards

Approvals	cURus AWM I/II A/B 80°C 600V FT1
UL style	AWM 2570 AWM 10429
Conformity	CE RoHS REACH
Burning behavior	UL VW-1 UL FT1 IEC 60332-1 DIN EN 60332-1-2 VDE 0482 322-1-2
Oil resistant according to	UL 4d100C UL Oil Res 80 °C IEC 60811-404
UV-resistant according to	DIN EN ISO 4892-2-A

### General

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



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