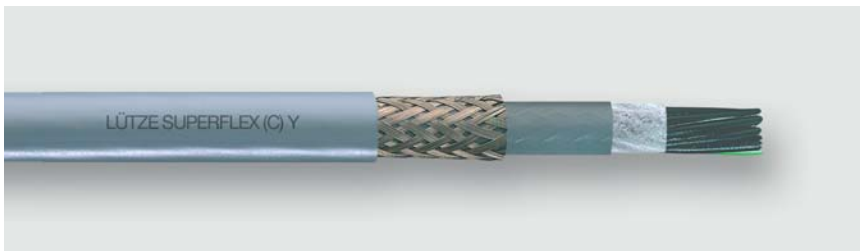


# Technical data sheet - LÜTZE SUPERFLEX® N (C) PVC

## For high requirements



PVC control cables · C-track compatible · shielded

<b>Identification</b>	Type	(5G0,5)
	Part-No.	A1392005

### 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>

### Technical data

UL approval	AWM 2570
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17.06.2015 – Subject to technical modification

Part-No. A1392005

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Nominal voltage	600 V 80 °C	
Test voltage	3000 V	
Insulation resistance	min. 100 MΩ × km	
Temperature range	moving	-5 °C to +80 °C
	fixed	-40 °C to +80 °C
Minimum bending radius	moving	D × 10
	fixed	D × 6
Jacket material	PVC	
Burning behavior	Flame-retardant according to UL Cable Flame, DIN EN 50265-2-1, FT1	
Approvals	cURus AWM Style 2570 CSA AWM I/II A/B 80 °C 600 V FT1 CE UL Oil res 80 °C DIN EN 60811-2-1	
OD Ø	0.333 inches	
Weight	71.0 Lbs/Mft	
Copper	29 Lbs/Mft	

### Construction

Number of strands/cross-section	(5G0.5)
Conductor structure	Bare copper wire, super finely stranded according to DIN VDE 0295 class 6, IEC 60228 class 6
Conductor insulation	Special TPE, high glide
Conductor marking	Conductors black with white number print according to DIN EN 50334
Ground conductor	green/yellow according to DIN EN 50334
Stranding	Conductors cabled without mechanical stress, pitch layer optimized
Banding	Fleece wrap over cable core
Sub jacket	PVC
Overall shield	Braid from tinned copper wire, optical coverage ≥ 85 %
Outer jacket	Jacket special PVC according VDE 0207 TM5 and UL class 43
Jacket color	gray RAL 7001

### General

Note	CE These products are in conformity with the EU Low Voltage Directive 2006/95/EC
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### Symbols

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SYSTEMATIC TECHNOLOGY

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