

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

For high requirements



PVC control cables · C-track compatible · shielded

Identification	Type	SU N(C)Y(5G1,0) UL
	Part-No.	A1391805

Use/Application/Characteristics

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

Construction

Description	SUPERFLEX N (C) PVC
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17.02.2017 – Subject to technical modification

Part-No. A1391805

USA: LUTZE INC.

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SYSTEMATIC TECHNOLOGY

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Number of conductors/cross-section	(5G1.0)
Jacket material	Special PVC
Jacket color	grey RAL 7001
Outer Ø	9.6 mm
Outer Ø	0.378 inches
Weight	14.7 kg/100 m
Weight	103 Lbs/Mft
Cu-Index	8 kg/100 m
Cu-Index	54 Lbs/Mft

Element 1

Element construction	AWG18/5C
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

Technical data

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

Element 1

Element construction	AWG18/5C
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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