

Technical data sheet

Flexible Control and Tray Cable TRAY PVC · Unshielded

LUTZE SILFLEX® N Control Cable PVC For Stationary Applications



Identification

Type SI N PVC TRAY 2×AWG16 SW
Part No. [A3221602](#)

Product version

Datasheet version 00

Use/Application/Properties

Application	<ul style="list-style-type: none">• Machine tools, machine and plant construction, VAC technology as well as other uses.• Compliant with NFPA 79 requirements• TC for use with cable trays without conduit, which can reduce installation costs in industrial environments• WTTC – wind turbine tray cable rating for use in wind power generation• PLTC for installation in cable trays• ITC Instrumentation Tray Cable• Dry, damp or wet locations
Properties	<ul style="list-style-type: none">• Crush impact resistant• Gas/vapor-tight sheath per UL 1277• Non-wicking fillers• Ecolab certified resistance to common cleaning agents and chemicals used in food and beverage washdown procedures• Sunlight resistant• Flame retardant• "direct burial" for installation in the ground• Talc free and silicone free

Construction

Description	SILFLEX® CONTROL CABLE PVC
Number of conductors/cross-section	2×AWG16
Number of conductors	2
Cross-section, metric	1.5 mm ²
Cross-section AWG	AWG 16
Jacket material	PVC
Jacket color	black similar to RAL 9005
Outer Ø	7.7 mm
Outer Ø	0.305 inch

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Weight	7.9 kg/100 m
Weight	53 Lbs/Mft
Cu Index	2.4 kg/100 m
Cu Index	16 Lbs/Mft

Construction Element 1

Element construction	AWG16/2C
Conductor construction	AWG 16 (26/30)
Conductor	AWG conductor CU-wire bare
Conductor category	Fine wire Class K
Conductor marking	black • with white number print
Conductor insulation	PVC/Nylon

Overall construction

Jacket characteristics	Oil resistant UV resistant (normal lighting conditions) Silicone free
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Technical data

Rated voltage U_N	600 V 90C UL TC 1000 V WTTC 90C 600 V UL MTW 1000 V 105C AWM
Temperature range fixed	-40 °C ... +105 °C
Minimum bending radius fixed	4×cable OD

Technical Data Element 1

Element construction	AWG16/2C
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Approvals/Standards

Approvals	UL Type MTW or DP-1 Meets NEC 336, 392, 725, 727 Class I and II, Div. 2 and Class I Zone 2 per NEC 501, 502, 505 C(UL) TC and CIC FT4 UL 1277 TC WTTC PLTC ITC
UL style	AWM 20886
Conformity	CE RoHS REACH TSCA
Oil resistant according to	Oil Res II

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General

Note

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