

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	• 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	• 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

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Jacket material	PVC
Jacket color	black similar to RAL 9005
Outer Ø	7.7 mm
Outer Ø	0.305 inch
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×D

Technical Data Element 1

Element construction	AWG16/2C
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Certifications/Standards

Certifications	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

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Conformity	CE RoHS REACH TSCA
Oil resistant according to	Oil Res II

General

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