

Technical data sheet

Flexible Control and Tray Cable TRAY-ER PVC · Unshielded

LUTZE SILFLEX® N Control Cable PVC For Stationary Applications



Identification

Type SI N TRAY-ER 50×AWG18 GR
Part No. [A3081850](#)

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-ER-JP 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-ER Power Limited Tray Cable – Exposed Run• ITC-ER Instrumentation Tray Cable – Exposed Run• 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	50×AWG18
Number of conductors	50
Cross-section, metric	1 mm ²
Cross-section AWG	AWG 18
Jacket material	PVC
Jacket color	grey similar to RAL 7001
Outer Ø	23.1 mm
Outer Ø	0.91 inch

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273, USA
Tel. +1 (704) 504-0222
www.lutze.com • info@lutze.com

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Weight	93.6 kg/100 m
Weight	630 Lbs/Mft
Cu Index	44.9 kg/100 m
Cu Index	302 Lbs/Mft

Construction Element 1

Element construction	AWG18/50C
Conductor construction	AWG 18 (19/30)
Conductor	AWG conductor CU-wire bare
Conductor category	Fine wire Class K
Conductor marking	black • with white number print • Ground conductor: green/yellow
Conductor insulation	PVC/Nylon THHN – THWN

Overall construction

Jacket characteristics	Oil resistant Silicone free
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Rated voltage U_N	600 V 90C UL TC-ER-JP 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	AWG18/50C
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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-ER-JP WTTC PLTC-ER ITC-ER
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