

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 18×AWG20 GR
Part No. [A3082018](#)

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• 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• Talc free and silicone free

Construction

Description	SILFLEX® CONTROL CABLE PVC
Number of conductors/cross-section	18×AWG20
Number of conductors	18
Cross-section, metric	0.5 mm ²
Cross-section AWG	AWG 20
Jacket material	PVC
Jacket color	grey similar to RAL 7001
Outer Ø	12.5 mm
Outer Ø	0.492 inch
Weight	22.6 kg/100 m
Weight	152 Lbs/Mft
Cu Index	8.3 kg/100 m

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Cu Index 56 Lbs/Mft

Construction Element 1

Element construction	AWG20/18C
Conductor construction	AWG 20 (10/30)
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

Technical data

Rated voltage U_N	300 V 90C PLTC-ER 300 V 90C ITC-ER 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 AWG20/18C

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 PLTC-ER ITC-ER
UL style	AWM 20886
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