

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 PVC TRAY-ER 5×AWG20 SW
Part No. [A3222005](#)

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	5×AWG20
Number of conductors	5
Cross-section, metric	0.5 mm ²
Cross-section AWG	AWG 20
Jacket material	PVC
Jacket color	black similar to RAL 9005
Outer Ø	7.9 mm
Outer Ø	0.313 inch
Weight	8.5 kg/100 m
Weight	57 Lbs/Mft
Cu Index	2.4 kg/100 m

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Cu Index 16 Lbs/Mft

Construction Element 1

Element construction	AWG20/5C
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 • green/yellow
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	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	AWG20/5C
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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 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
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