

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 12×AWG20 GR
Part No. [A3082012](#)

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 • PLTC-ER Power Limited Tray Cable – Exposed Run • ITC-ER Instrumentation Tray Cable – Exposed Run • 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 • Talc free and silicone free

Construction

Description	SILFLEX® CONTROL CABLE PVC
Number of conductors/cross-section	12×AWG20
Number of conductors	12
Cross-section, metric	0.5 mm ²
Cross-section AWG	AWG 20
Jacket material	PVC
Jacket color	grey similar to RAL 7001
Outer Ø	10.8 mm

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SYSTEMATIC TECHNOLOGY

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Outer Ø	0.426 inch
Weight	16.4 kg/100 m
Weight	110 Lbs/Mft
Cu-Index	5.7 kg/100 m
Cu-Index	38 Lbs/Mft

Construction Element 1

Element construction	AWG20/12C
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
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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×D

Technical Data Element 1

Element construction	AWG20/12C
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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 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