

Technical data sheet

Flexible Control and Tray Cable TRAY-ER PVC · Shielded

LUTZE SILFLEX® N Control Cable (C) PVC For Stationary Applications



Identification

Type SI N (C) PVC TRAY-ER (18×AWG20) GR
Part No. [A3092018](#)

Product version

Datasheet version 00

Use/Application/Properties

- Application
- Dual-shielded multi-conductor cable for tray and control applications
 - 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 (C) PVC
Number of conductors/cross-section (18×AWG20)
Number of conductors 18
Cross-section, metric 0.5 mm²
Cross-section AWG AWG 20
Jacket material PVC
Jacket color grey similar to RAL 7001

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SYSTEMATIC TECHNOLOGY

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Outer Ø	13.2 mm
Outer Ø	0.52 inch
Weight	26.9 kg/100 m
Weight	181 Lbs/Mft
Cu-Index	11.6 kg/100 m
Cu-Index	78 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 • green/yellow
Conductor insulation	PVC/Nylon THHN – THWN

Overall construction

Drain wire	CU-wire tin-plated
Overall shield	Aluminium laminate Foil shield Braid shield Tinned copper wires
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	6×D

Technical Data Element 1

Element construction	AWG20/18C
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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
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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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