

## Technical data sheet

Flexible Control and Tray Cable TRAY-ER PVC · Shielded

### LÜTZE SILFLEX® (C) Tray-ER PVC For Stationary Applications



#### Identification

Type SI N (C) PVC TRAY-ER (5×AWG18) SW  
Part No. [A3211805](#)

#### 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
  - 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
- 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 (C) PVC  
Number of conductors/cross-section (5×AWG18)  
Number of conductors 5  
Cross-section, metric 1 mm<sup>2</sup>  
Cross-section AWG AWG 18  
Jacket material PVC  
Jacket color black similar to RAL 9005  
Outer Ø 9.3 mm

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Outer Ø	0.368 inch
Weight	14.9 kg/100 m
Weight	100 Lbs/Mft
Cu Index	6.5 kg/100 m
Cu Index	44 Lbs/Mft

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#### Construction Element 1

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Element construction	AWG18/5C
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 · green/yellow
Conductor insulation	PVC/Nylon THHN – THWN

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#### Overall construction

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Drain wire	CU-wire tin-plated
Overall shield	Foil shield Aluminium laminate Braid shield Tinned copper wires
Jacket characteristics	Oil resistant Silicone free

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#### Technical data

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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	6×cable OD

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#### Technical Data Element 1

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Element construction	AWG18/5C
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#### Approvals/Standards

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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
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## Technical data sheet

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UL style	AWM 20886
Conformity	CE RoHS REACH TSCA
Oil resistant according to	Oil Res II

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#### General

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Note	CE These products are in conformity with the EU Low Voltage Directive 2014/35/EU
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