

## 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 (9×AWG18) SW  
Part No. [A3211809](#)

#### Product version

Datasheet version 00

#### Use/Application/Properties

- |             |   |
|-------------|---|
| Application | <ul style="list-style-type: none"><li>• Dual-shielded multi-conductor cable for tray and control applications</li><li>• Machine tools, machine and plant construction, VAC technology as well as other uses.</li><li>• Compliant with NFPA 79 requirements</li><li>• TC-ER-JP for use with cable trays without conduit, which can reduce installation costs in industrial environments</li><li>• WTTC – wind turbine tray cable rating for use in wind power generation</li><li>• PLTC-ER Power Limited Tray Cable – Exposed Run</li><li>• ITC-ER Instrumentation Tray Cable – Exposed Run</li><li>• Dry, damp or wet locations</li></ul> |
| Properties  | <ul style="list-style-type: none"><li>• Crush impact resistant</li><li>• Gas/vapor-tight sheath per UL 1277</li><li>• Non-wicking fillers</li><li>• Ecolab certified resistance to common cleaning agents and chemicals used in food and beverage washdown procedures</li><li>• Sunlight resistant</li><li>• Flame retardant</li><li>• "direct burial" for installation in the ground</li><li>• Talc free and silicone free</li></ul>   |

#### Construction

Description	SILFLEX® CONTROL CABLE (C) PVC
Number of conductors/cross-section	(9×AWG18)
Number of conductors	9
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	11.5 mm

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Outer Ø	0.453 inch
Weight	21.3 kg/100 m
Weight	143 Lbs/Mft
Cu Index	11.3 kg/100 m
Cu Index	76 Lbs/Mft

#### Construction Element 1

Element construction	AWG18/9C
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

#### Overall construction

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

#### Technical data

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

#### Technical Data Element 1

Element construction	AWG18/9C
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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 TC-ER-JP WTTC PLTC-ER ITC-ER
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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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