

## Technical data sheet

Flexible Premium TPE Control and Tray Cable for Stationary Applications · Shielded

### LUTZE SILFLEX® (C) Tray-ER TPE



#### Identification

Type SI N(C)TPE TRAY-ER (4×AWG12) SW  
Part No. [A3311204](#)

#### Product version

Datasheet version 00

#### Use/Application/Properties

- Application
- Multi-wire control cables with TC-ER „Exposed Run“ approval
  - Metal cutting equipment, machine tools, machine and plant construction, HVAC technology, assembly and production lines, and other industrial applications
  - Compliant with NFPA 79 requirements
  - TC-ER for use with cable trays without conduit, which can reduce material and labor costs
  - WTTC – wind turbine tray cable rating for use in wind power generation
  - Dry, damp or wet locations
- Properties
- Crush impact resistant
  - Gas/vapor-tight sheath per UL 1277
  - Cutting oil resistant - mineral and bio/vegetable based oil, specially tested with plant based cutting oil.
  - Non-wicking fillers
  - Ecolab certified resistance to common cleaning agents and chemicals used in food and beverage washdown procedures
  - Specially formulated TPE jacket for superior oil resistance
  - Sunlight resistant
  - Flame-retardant
  - Talc free and silicone free

#### Construction

Description SILFLEX® (C) TRAY-ER TPE  
Number of conductors/cross-section (4×AWG12)  
Number of conductors 4  
Cross-section, metric 4 mm<sup>2</sup>

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Cross-section AWG	AWG 12
Jacket material	TPE
Jacket color	black similar to RAL 9005
Outer Ø	11.1 mm
Outer Ø	0.437 inch
Weight	179 Lbs/Mft
Cu-Index	111 Lbs/Mft

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#### Construction Element 1

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Element construction	AWG12/4C
Conductor construction	AWG 12 (65/30)
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

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#### Overall construction

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

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#### Technical data

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Rated voltage $U_N$	600 V TC-ER 90C 1000 V WTTC 90C 600 V UL MTW 600 V UL AWM 105 °C
Temperature range fixed	-40 °C ... +105 °C
Minimum bending radius fixed	6×D

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#### Technical Data Element 1

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Element construction	AWG12/4C
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#### Certifications/Standards

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Certifications	UL Type TC-ER cURus cULus UL Type MTW or DP-1 WTTTC Meets NEC 336,392 Class I and II, Div. 2 and Class I Zone 2 per NEC 501, 502, 505 C(UL) TC and CIC FT4 UL 1277
UL style	AWM 21270
Conformity	CE RoHS REACH TSCA
Oil resistant according to	Oil Res II Oil Res I

#### 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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