

Technical data sheet · LÜTZE SILFLEX® Tray-ER TPE with UL/TC-ER/WTTC/MTW/CE Approvals

Flexible Tray Cable · Shielded



| | | |
|-----------------------|----------|---------------------------------|
| Identification | Type | SI N(C)TPE TRAY-ER (3×AWG16) SW |
| | Part-No. | A3311603 |

Use/Application/Characteristics

| | |
|-----------------|--|
| Application | <ul style="list-style-type: none"> • Shielded multi-conductor cable for tray applications, with exposed run (open wiring) approval • Compliant with NFPA 79 for machine tool wiring • TC-ER for use with cable trays without conduit, which can reduce material and labor costs • Metal cutting equipment, machine tools, machine and plant construction, HVAC technology, assembly and production lines, and other industrial applications • WTTC – wind turbine tray cable rating for use in wind power generation • Dry, damp and wet locations |
| Characteristics | <ul style="list-style-type: none"> • Flexible design with Nylon for crush impact resistance per UL 1277 and easy installation • Specially formulated TPE jacket for superior oil resistance • Cutting oil resistant – mineral & bio/vegetable based oil *specially tested with plant based cutting oil • Sunlight resistant • Direct burial • UL Type TC-Exposed Run • Talc free • Silicone free |

Construction

11.03.2017 – Subject to technical modification

Part-No. A3311603

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SYSTEMATIC TECHNOLOGY

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| | |
|------------------------------------|-------------------------|
| Description | SILFLEX (C) TRAY-ER TPE |
| Number of conductors/cross-section | (3×AWG16) |
| Jacket material | TPE |
| Jacket color | black RAL 9005 |
| Outer Ø | 8.5 mm |
| Outer Ø | 0.335 inches |
| Weight | 92 Lbs/Mft |
| Cu-Index | 41 Lbs/Mft |

Element 1

| | |
|------------------------|--|
| Element construction | AWG16/3C |
| Conductor construction | AWG 16 (26/30) |
| Conductor | AWG conductor CU-wire bare |
| Conductor category | feindrähtig |
| 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 mineral oil-resistant bio-oil-resistant |

Technical data

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

Element 1

| | |
|----------------------|----------|
| Element construction | AWG16/3C |
|----------------------|----------|

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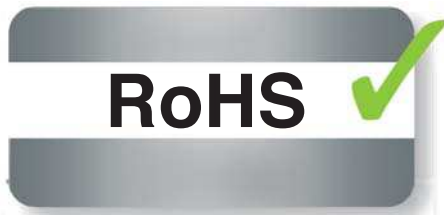
Approvals/Standards

| | |
|----------------------------|--|
| Approvals | TC-ER cURus cULus UL Type MTW or DP-1 WTTC Class 1 Div. 2 per NEC Art. 336, 392, 501 cUL TC CIC FT4 UL 1277 |
| Conformity | CE REACH RoHS |
| Oil resistant according to | Oil Res II Oil Res I |

General

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

Symbols



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