

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

Flexible Tray Cable · Unshielded



|                       |          |                             |
|-----------------------|----------|-----------------------------|
| <b>Identification</b> | Type     | SI N TPE TRAY-ER 7×AWG14 SW |
|                       | Part-No. | A3321407                    |

## Use/Application/Characteristics

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

## Construction

11.03.2017 – Subject to technical modification

Part-No. A3321407

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SYSTEMATIC TECHNOLOGY

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|                                    |                     |
|------------------------------------|---------------------|
| Description                        | SILFLEX TRAY-ER TPE |
| Number of conductors/cross-section | 7×AWG14             |
| Jacket material                    | TPE                 |
| Jacket color                       | black RAL 9005      |
| Outer Ø                            | 11 mm               |
| Outer Ø                            | 0.434 inches        |
| Weight                             | 167 Lbs/Mft         |
| Cu-Index                           | 92 Lbs/Mft          |

## Element 1

|                        |  |
|------------------------|--|
| Element construction   | AWG14/7C   |
| Conductor construction | AWG 14 (41/30)                                   |
| Conductor              | AWG conductor<br>CU-wire bare                    |
| Conductor category     | feindrähtig                                      |
| Conductor marking      | black<br>with white number print<br>green/yellow |
| Conductor insulation   | PVC/Nylon<br>THHN – THWN                         |

## overall construction

|                        |  |
|------------------------|--|
| Jacket characteristics | Oil resistant<br>Silicone-free<br>mineral oil-resistant<br>bio-oil-resistant |
|------------------------|--|

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## Technical data

|                              |  |
|------------------------------|--|
| Rated voltage                | 600 V TC-ER 90C<br>600 V MTW 90C<br>1000 V WTTC 90C<br>600 V UL AWM 105 °C |
| Temperature range fixed      | -40 °C ... +90 °C  |
| Minimum bending radius fixed | 4×D  |

## Element 1

|                      |          |
|----------------------|----------|
| Element construction | AWG14/7C |
|----------------------|----------|

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## Approvals/Standards

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

## General

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

## Symbols



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