

# Technical data sheet · LÜTZE SILFLEX® Tray-ER Blue PVC with UL/TC-ER/CE Approvals, Blue Conductors for 24 V Applications



Flexible Control and Tray Cable ·  
Unshielded

|                       |          |                               |
|-----------------------|----------|-------------------------------|
| <b>Identification</b> | Type     | SI N TRAY-ER Blue 12×AWG18 GR |
|                       | Part-No. | A3251812                      |

## 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>• Machine tools, machine and plant construction, HVAC technology, assembly and production lines, and other industrial applications</li> <li>• <b>Automotive</b> applications with 24 Volt</li> <li>• MTW rating as required per <b>NFPA 79</b> for machine tool wiring</li> <li>• TC-ER for use on machines and in cable trays without conduit</li> <li>• Dry, damp and wet conditions</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 jacket for oil resistance</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

|                                    |                          |
|------------------------------------|--------------------------|
| Description                        | SILFLEX TRAY-ER BLUE PVC |
| Number of conductors/cross-section | 12×AWG16                 |

11.03.2017 – Subject to technical modification

Part-No. A3251812

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SYSTEMATIC TECHNOLOGY

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|                 |               |
|-----------------|---------------|
| Jacket material | PVC           |
| Jacket color    | grey RAL 7001 |
| Outer Ø         | 12.1 mm       |
| Outer Ø         | 0.477 inches  |
| Weight          | 143 Lbs/Mft   |
| Cu-Index        | 72 Lbs/Mft    |

## Element 1

|                        |  |
|------------------------|--|
| Element construction   | AWG18/12C  |
| Conductor construction | AWG 18 (19/30)   |
| Conductor              | AWG conductor<br>CU-wire bare  |
| Conductor category     | feindrähtig  |
| Conductor marking      | blue<br>with white number print<br>white/blue<br>with number print 2<br>green/yellow |
| Conductor insulation   | PVC/Nylon<br>THHN – THWN   |

## overall construction

|                        |                                |
|------------------------|--------------------------------|
| Jacket characteristics | Oil resistant<br>Silicone-free |
|------------------------|--------------------------------|

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## Technical data

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

## Element 1

|                      |           |
|----------------------|-----------|
| Element construction | AWG18/12C |
|----------------------|-----------|

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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>Class 1 Div. 2 per NEC<br>Art. 336, 392, 501<br>UL 1277<br>cUL TC<br>CIC FT4 |
| Conformity                 | CE<br>REACH<br>RoHS  |
| Oil resistant according to | 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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