

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



Flexible Tray Cable · Unshielded

|                |          |                         |
|----------------|----------|-------------------------|
| Identification | Type     | SI N TRAY-ER 4×AWG12 SW |
|                | Part-No. | A3221204                |

## 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>• 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 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 PVC |
|-------------|---------------------|

11.03.2017 – Subject to technical modification

Part-No. A3221204

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|                                    |                |
|------------------------------------|----------------|
| Number of conductors/cross-section | 4×AWG12        |
| Jacket material                    | PVC            |
| Jacket color                       | black RAL 9005 |
| Outer Ø                            | 11.1 mm        |
| Outer Ø                            | 0.437 inches   |
| Weight                             | 21.3 kg/100 m  |
| Weight                             | 150 Lbs/Mft    |
| Cu-Index                           | 12.3 kg/100 m  |
| Cu-Index                           | 84 Lbs/Mft     |

### Element 1

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

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### Technical data

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

### Element 1

|                      |          |
|----------------------|----------|
| Element construction | AWG12/4C |
|----------------------|----------|

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### Approvals/Standards

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SYSTEMATIC TECHNOLOGY

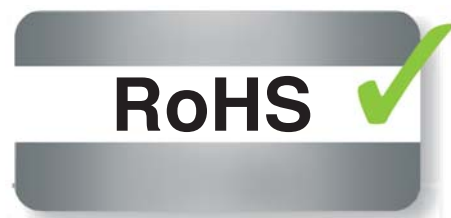
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|                            |                                                                                                                                        |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| 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 II                                                                                                                             |

### General

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

### Symbols



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