

# Technical data sheet · LÜTZE SILFLEX® N PVC CONTROL TRAY CABLE

## With approvals for North America according to NEC, NFPA 79 and UL 508A



PVC control cables · unshielded

|                       |          |                         |
|-----------------------|----------|-------------------------|
| <b>Identification</b> | Type     | SI N TRAY-ER 4×AWG10 GR |
|                       | Part-No. | A3081004                |

### Use/Application/Characteristics

|                 |  |
|-----------------|--|
| Application     | <ul style="list-style-type: none"> <li>• Multi-conductor control cables with TC-ER „Exposed Run“ approval</li> <li>• Machine and device construction, transport and conveyor technology, HVAC technology</li> <li>• Compliant with NFPA 79 standards</li> <li>• „TC-ER“ for use on machines and in open cable ducts</li> <li>• „WTTC“ Wind Turbine Tray Cable for use in wind turbines</li> <li>• „MTW“ Machine Tool Wire</li> <li>• „PLTC-ER“ Power Limited Tray Cable – Exposed Run</li> <li>• „ITC-ER“ Instrumentation Tray Cable – Exposed Run</li> <li>• In dry, moist and wet rooms</li> </ul> |
| Characteristics | <ul style="list-style-type: none"> <li>• Flexible wires with nylon for better resistance to pressure and impacts as per UL 1277</li> <li>• Easy stripping and fast installation</li> <li>• Very flexible flexibility for complex installation distances and small bending radii</li> <li>• Improved oil resistance due to specifically developed PVC jacket</li> <li>• Sunlight-resistant</li> <li>• „Direct burial“ for installation in the ground</li> <li>• Silicone free</li> <li>• RoHS compliant</li> </ul>  |

### Construction

29.01.2017 – Subject to technical modification

Part-No. A3081004

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SYSTEMATIC TECHNOLOGY

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|                                    |                           |
|------------------------------------|---------------------------|
| Description                        | SILFLEX CONTROL CABLE PVC |
| Number of conductors/cross-section | 4×AWG10                   |
| Jacket material                    | PVC                       |
| Jacket color                       | grey RAL 7001             |
| Outer Ø                            | 14.6 mm                   |
| Outer Ø                            | 0.573 inches              |
| Weight                             | 35.6 kg/100 m             |
| Weight                             | 239 Lbs/Mft               |
| Cu-Index                           | 19.3 kg/100 m             |
| Cu-Index                           | 130 Lbs/Mft               |

### Element 1

|                        |  |
|------------------------|--|
| Element construction   | AWG10/4C   |
| Conductor construction | AWG 10 (105/30)                                  |
| 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/MTW<br>1000 V WTTC |
| Temperature range fixed      | -40 °C ... +90 °C              |
| Minimum bending radius fixed | 4×D                            |

### Element 1

|                      |          |
|----------------------|----------|
| Element construction | AWG10/4C |
|----------------------|----------|

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### Approvals/Standards

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|                            |   |
|----------------------------|---|
| Approvals                  | cURus<br>TC-ER<br>WTTTC<br>cULus<br>UL Type MTW or DP-1<br>Class 1 Div. 2 per NEC<br>Art. 336, 392, 501<br>CIC FT4<br>cUL TC<br>UL 1277 |
| UL style                   | AWM 20886   |
| Conformity                 | CE<br>REACH<br>RoHS   |
| Oil resistant according to | Oil Res II  |

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### General

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

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### Symbols



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