

## Technical data sheet

### Flexible Control and Tray Cable TRAY-ER PVC · Unshielded

#### LUTZE SILFLEX® N Control Cable PVC For Stationary Applications



#### Identification

Type SI N PVC TRAY-ER 5×AWG4 SW  
Part No. [A3220405](#)

#### Product version

Datasheet version 00

#### Use/Application/Properties

- |             |  |
|-------------|--|
| Application | <ul style="list-style-type: none"><li>• Machine tools, machine and plant construction, VAC technology as well as other uses.</li><li>• Compliant with NFPA 79 requirements</li><li>• TC-ER-JP for use with cable trays without conduit, which can reduce installation costs in industrial environments</li><li>• WTTC – wind turbine tray cable rating for use in wind power generation</li><li>• Dry, damp or wet locations</li></ul> |
| Properties  | <ul style="list-style-type: none"><li>• Crush impact resistant</li><li>• Gas/vapor-tight sheath per UL 1277</li><li>• Non-wicking fillers</li><li>• Ecolab certified resistance to common cleaning agents and chemicals used in food and beverage washdown procedures</li><li>• Sunlight resistant</li><li>• Flame retardant</li><li>• "direct burial" for installation in the ground</li><li>• Talc free and silicone free</li></ul>  |

#### Construction

|                                    |                            |
|------------------------------------|----------------------------|
| Description                        | SILFLEX® CONTROL CABLE PVC |
| Number of conductors/cross-section | 5×AWG4                     |
| Number of conductors               | 5                          |
| Cross-section, metric              | 25 mm <sup>2</sup>         |
| Cross-section AWG                  | AWG 4                      |
| Jacket material                    | PVC                        |

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|              |                           |
|--------------|---------------------------|
| Jacket color | black similar to RAL 9005 |
| Outer Ø      | 29.4 mm                   |
| Outer Ø      | 1.159 inch                |
| Weight       | 145.7 kg/100 m            |
| Weight       | 979 Lbs/Mft               |
| Cu-Index     | 95.8 kg/100 m             |
| Cu-Index     | 644 Lbs/Mft               |

#### Construction Element 1

|                        |  |
|------------------------|--|
| Element construction   | AWG4/5C  |
| Conductor construction | AWG 4 (413/30)                                 |
| Conductor              | AWG conductor<br>CU-wire bare                  |
| Conductor category     | Fine wire<br>Class K                           |
| Conductor marking      | black · with white number print · green/yellow |
| Conductor insulation   | PVC/Nylon                                      |

#### Overall construction

|                        |   |
|------------------------|---|
| Jacket characteristics | Oil resistant<br>UV resistant (normal lighting conditions)<br>Silicone free |
|------------------------|---|

#### Technical data

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

#### Technical Data Element 1

|                      |         |
|----------------------|---------|
| Element construction | AWG4/5C |
|----------------------|---------|

#### Certifications/Standards

|                |  |
|----------------|--|
| Certifications | UL Type MTW or DP-1<br>Meets NEC 336, 392, 725, 727<br>Class I and II, Div. 2 and Class I<br>Zone 2 per NEC 501, 502, 505<br>C(UL) TC and CIC FT4<br>UL 1277<br>TC-ER-JP<br>WTTC |
| Conformity     | CE<br>RoHS<br>REACH<br>TSCA  |

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Oil resistant according to

Oil Res II

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#### General

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Note

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