

## Technical data sheet

### Flexible Control Cable for Stationary Applications · Unshielded

#### LUTZE SILFLEX® N PVC



#### Identification

|          |                         |
|----------|-------------------------|
| Type     | SI N PVC 3GAWG18        |
| Part No. | <a href="#">108357A</a> |

#### 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, Article 12.9</li></ul>                                                                                                                                                                                                                                                                 |
| Properties  | <ul style="list-style-type: none"><li>• Specially formulated gray PVC jacket for oil resistance</li><li>• Most flexible design without Nylon for easy stripping and easy installation</li><li>• Easy routing and bending due to flexibility</li><li>• Easy strip design especially suited for cable assemblies</li><li>• Resistance to many oils, coolants and solvents</li><li>• Non-wicking fillers</li><li>• Talc free and silicone free</li></ul> |

#### Construction

|                                    |                          |
|------------------------------------|--------------------------|
| Description                        | SILFLEX® N PVC           |
| Number of conductors/cross-section | 3×AWG18                  |
| Number of conductors               | 3                        |
| Cross-section, metric              | 1 mm <sup>2</sup>        |
| Cross-section AWG                  | AWG 18                   |
| Jacket material                    | PVC                      |
| Jacket color                       | grey similar to RAL 7001 |
| Outer Ø                            | 6.7 mm                   |
| Outer Ø                            | 0.263 inch               |
| Weight                             | 41 Lbs/Mft               |
| Cu-Index                           | 15 Lbs/Mft               |

#### United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park  
Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU  
Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2  
[www.lutze.com](http://www.lutze.com) • [sales.gb@lutze.co.uk](mailto:sales.gb@lutze.co.uk)

#### Germany: Friedrich Lütze GmbH

Postfach 12 24 (PLZ 71366) • Bruckwiesenstraße 17-19 • D-71384 Weinstadt  
Tel. +49 (0)7151 6053-0 • Fax +49 (0)7151 6053-277(-288)  
[www.luetze.de](http://www.luetze.de) • [info@luetze.de](mailto:info@luetze.de)

## Technical data sheet

### Flexible Control Cable for Stationary Applications · Unshielded

#### Construction Element 1

|                        |                                                |
|------------------------|------------------------------------------------|
| Element construction   | AWG18/3C                                       |
| Conductor construction | AWG 18 (16/30)                                 |
| 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                                            |

#### Overall construction

|                        |                                                                                                                      |
|------------------------|----------------------------------------------------------------------------------------------------------------------|
| Jacket characteristics | Flame-retardant<br>Oil resistant<br>mineral oil-resistant<br>coolant-resistant<br>solvent-resistant<br>Silicone-free |
|------------------------|----------------------------------------------------------------------------------------------------------------------|

#### Technical data

|                              |                    |
|------------------------------|--------------------|
| Rated voltage $U_N$          | 600 V UL AWM 90 °C |
| Temperature range fixed      | -40 °C ... +90 °C  |
| Minimum bending radius fixed | 4×D                |

#### Technical Data Element 1

|                      |          |
|----------------------|----------|
| Element construction | AWG18/3C |
|----------------------|----------|

#### Certifications/Standards

|                               |                             |
|-------------------------------|-----------------------------|
| Certifications                | cURus<br>AWM I/II A/B FT4   |
| UL style                      | AWM 2587                    |
| Conformity                    | CE<br>RoHS<br>REACH<br>TSCA |
| Burning behavior according to | UL VW-1                     |
| Oil resistant according to    | Oil Res II                  |

#### General

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