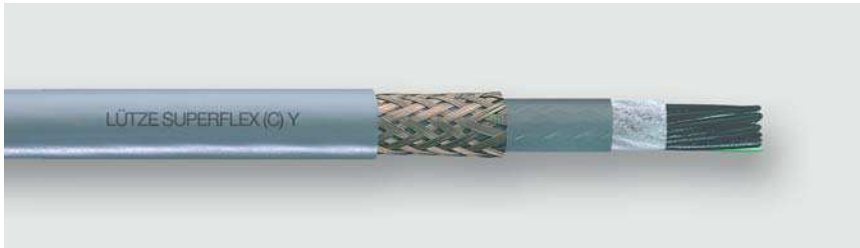


# Technical data sheet · LÜTZE SUPERFLEX® N (C) PVC

## For high requirements



PVC control cables · C-track compatible · shielded

|                       |          |                    |
|-----------------------|----------|--------------------|
| <b>Identification</b> | Type     | SU N(C)Y(7G1,5) UL |
|                       | Part-No. | A1391607           |

### Use/Application/Characteristics

|                 |   |
|-----------------|---|
| Application     | <ul style="list-style-type: none"> <li>• Machine and device construction, transport and conveyor technology, HVAC technology</li> <li>• In dry and damp rooms</li> <li>• As a monitoring, measurement and control cable for industrial applications</li> <li>• For installation in energy chains with constant linear movement</li> <li>• Anywhere where electrical interference fields can influence the signal transmission</li> </ul>  |
| Characteristics | <ul style="list-style-type: none"> <li>• Very small cable diameters due to special TPE conductor insulation (HGI) according to UL standard</li> <li>• Reduced friction due to high glide conductor insulation (HGI) for high mechanical loads</li> <li>• Low capacitance, very good electrical properties</li> <li>• Especially developed PVC jacket according to UL class 43</li> <li>• Filler without wick effect</li> <li>• Low adhesion, abrasion-resistant, nick-resistant, tear resistant</li> <li>• Hydrolysis-resistant, microbe-resistant, and rot-resistant</li> <li>• Use in dry or damp environment</li> <li>• Silicone free</li> <li>• RoHS-compliant</li> </ul> |

### Construction

|             |                     |
|-------------|---------------------|
| Description | SUPERFLEX N (C) PVC |
|-------------|---------------------|

17.02.2017 – Subject to technical modification

Part-No. A1391607

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SYSTEMATIC TECHNOLOGY

# Technical data sheet · LÜTZE SUPERFLEX<sup>®</sup> N (C) PVC

## For high requirements

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|                                    |               |
|------------------------------------|---------------|
| Number of conductors/cross-section | (7G1.5)       |
| Jacket material                    | Special PVC   |
| Jacket color                       | grey RAL 7001 |
| Outer Ø                            | 11.9 mm       |
| Outer Ø                            | 0.469 inches  |
| Weight                             | 23.5 kg/100 m |
| Weight                             | 165 Lbs/Mft   |
| Cu-Index                           | 14.2 kg/100 m |
| Cu-Index                           | 95 Lbs/Mft    |

### Element 1

|                      |   |
|----------------------|---|
| Element construction | AWG16/7C  |
| Conductor            | CU-wire bare  |
| Conductor category   | IEC 60228, Class 6<br>Superfinely stranded DIN VDE 0295<br>Klasse 6 |
| Conductor marking    | black<br>with black number print<br>green/yellow                    |
| Conductor insulation | Special TPE   |

### overall construction

|                        |  |
|------------------------|--|
| Overall wrapping       | Non-woven material   |
| Inner jacket           | PVC  |
| Overall shield         | Braid shield<br>Tinned copper wires  |
| Jacket characteristics | abrasion resistant<br>tough<br>Weather resistant<br>hydrolysis-resistant<br>microbe resistant<br>rot-resistant<br>UV resistant (normal lighting conditions)<br>Oil resistant<br>Flame-retardant<br>Silicone-free |

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### Technical data

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|                          |                   |
|--------------------------|-------------------|
| Rated voltage            | 600 V UL AWM      |
| Test voltage type        | AC 3000 V         |
| Temperature range moving | -5 °C ... +80 °C  |
| Temperature range fixed  | -40 °C ... +80 °C |

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|                               |      |
|-------------------------------|------|
| Minimum bending radius moving | 10×D |
| Minimum bending radius fixed  | 6×D  |

### Element 1

|                               |             |
|-------------------------------|-------------|
| Element construction          | AWG16/7C    |
| Insulation resistance at 20°C | 100.0 MΩ×km |

### Approvals/Standards

|                            |  |
|----------------------------|--|
| Approvals                  | cURus<br>AWM I/II A/B 80°C 600V FT1                                      |
| UL style                   | AWM 2570<br>AWM 10429  |
| Conformity                 | CE<br>RoHS<br>REACH  |
| Burning behavior           | UL VW-1<br>UL FT1<br>IEC 60332-1<br>DIN EN 60332-1-2<br>VDE 0482 322-1-2 |
| Oil resistant according to | UL 4d100C<br>UL Oil Res 80 °C<br>IEC 60811-404                           |
| UV-resistant according to  | DIN EN ISO 4892-2-A  |

### General

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

### Symbols



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