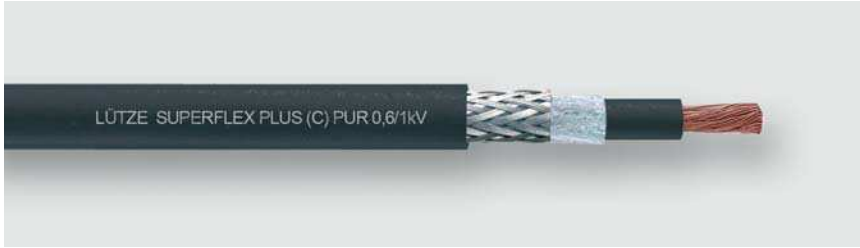


# Technical data sheet · LÜTZE SUPERFLEX<sup>®</sup> PLUS (C) PUR 0.6/1kV



PUR motor cables · C-track compatible

|                       |          |                           |
|-----------------------|----------|---------------------------|
| <b>Identification</b> | Type     | SU+(C)PUR (1×16)UL 1KV SW |
|                       | Part-No. | 111290                    |

## Use/Application/Characteristics

|                 |   |
|-----------------|---|
| Application     | <ul style="list-style-type: none"><li>• Performance conductor, specifically for machine and device engineering, transport and conveyor technology</li><li>• As motor supply or grounding cable</li><li>• Due to full PUR jacket and TPE conductor insulation optimally suited for c-tracks, extremely rough operating conditions and aggressive coolants and lubricants</li><li>• Especially for industrial environments, machines and plants</li></ul>   |
| Characteristics | <ul style="list-style-type: none"><li>• Halogen-free, no corrosive gases</li><li>• Very good alternating bending strength</li><li>• Low adhesion, abrasion-resistant, nick-resistant, tear-propagation-resistant</li><li>• Hydrolysis-resistant, microbe-resistant, and rot-resistant</li><li>• Weatherproof, ozone and UV resistant (normal lighting conditions)</li><li>• Good ruggedness and salt water resistance</li><li>• Excellent coolant and lubricant resistance</li><li>• Resistant to most oils, greases, alcohol-free benzines and kerosene</li><li>• Silicone free</li><li>• RoHS compliant</li></ul> |

## Construction

|                                    |                             |
|------------------------------------|-----------------------------|
| Description                        | SUPERFLEX+ (C) PUR 6.0/1 kV |
| Number of conductors/cross-section | (1×16)                      |
| Jacket material                    | PUR                         |
| Jacket color                       | black RAL 9005              |

28.04.2017 – Subject to technical modification

Part-No. 111290

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SYSTEMATIC TECHNOLOGY

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|          |                       |
|----------|-----------------------|
| Outer Ø  | 10.4 mm               |
| Outer Ø  | 0.409 inches          |
| Surface  | adhesion-free<br>matt |
| Weight   | 24.1 kg/100 m         |
| Weight   | 162 Lbs/Mft           |
| Cu-Index | 18.1 kg/100 m         |
| Cu-Index | 121 Lbs/Mft           |

## Element 1

|                      |  |
|----------------------|--|
| Element construction | (1×16)   |
| Conductor            | CU-wire bare   |
| Conductor category   | IEC 60228, Class 6<br>Superfinely stranded DIN VDE 0295<br>class 6 |
| Conductor insulation | Special TPE  |

## overall construction

|                        |  |
|------------------------|--|
| Overall shield         | Braid shield<br>Tinned copper wires<br>optical cover approx. 85%   |
| Jacket characteristics | Flame-retardant<br>Oil resistant<br>grease-resistant<br>petrol-resistant (alcohol-free)<br>kerosene-resistant<br>Silicone-free<br>Halogen free |

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## Technical data

|                               |                   |
|-------------------------------|-------------------|
| Rated voltage UL              | 1000 V            |
| Test voltage type             | AC 4000 V         |
| Temperature range moving      | -25 °C ... +80 °C |
| Temperature range fixed       | -40 °C ... +80 °C |
| Minimum bending radius moving | 7.5×D             |
| Minimum bending radius fixed  | 6×D               |

## Element 1

|                               |           |
|-------------------------------|-----------|
| Element construction          | (1×16)    |
| Insulation resistance at 20°C | 200 MΩ×km |

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## Approvals/Standards

|           |       |
|-----------|-------|
| Approvals | cURus |
|-----------|-------|

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|                               |  |
|-------------------------------|--|
| UL style                      | AWM 10587<br>AWM 21223   |
| Conformity                    | CE<br>RoHS<br>REACH  |
| Burning behavior according to | VDE 0482 Part 265-2<br>DIN EN 50265-2<br>IEC 60332-1<br>UL FT1 |
| Halogen free according to     | UL 1581 Part 1080 VW-1<br>DIN EN 60754-1<br>IEC 60754-1        |

## General

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

## Symbols



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