

Technical data sheet · LÜTZE SUPERFLEX® PLUS PUR 0.6/1kV



PUR motor cables · C-track compatible

| | | |
|-----------------------|----------|-------------------------|
| Identification | Type | SU+PUR 1G16 UL 1KV GNGE |
| | Part-No. | 111197 |

Use/Application/Characteristics

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

Construction

| | |
|------------------------------------|-------------------------|
| Description | SUPERFLEX+ PUR 0.6/1 kV |
| Number of conductors/cross-section | 1G16 |
| Jacket material | PUR |
| Jacket color | green-yellow |

28.04.2017 – Subject to technical modification

Part-No. 111197

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| | |
|----------|-----------------------|
| Outer Ø | 9.8 mm |
| Outer Ø | 0.386 inches |
| Surface | adhesion-free matt |
| Weight | 20.5 kg/100 m |
| Weight | 138 Lbs/Mft |
| Cu-Index | 14.8 kg/100 m |
| Cu-Index | 99 Lbs/Mft |

Element 1

| | |
|----------------------|--|
| Element construction | 1G16 |
| Conductor | CU-wire bare |
| Conductor category | IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 class 6 |
| Conductor marking | green/yellow |
| Conductor insulation | Special TPE |

overall construction

| | |
|------------------------|--|
| Jacket characteristics | Flame-retardant Oil resistant grease-resistant petrol-resistant (alcohol-free) kerosene-resistant Silicone-free Halogen free |
|------------------------|--|

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 | 1G16 |
|----------------------|------|

Approvals/Standards

| | |
|-----------|-----------|
| Approvals | cURus |
| UL style | AWM 10587 |

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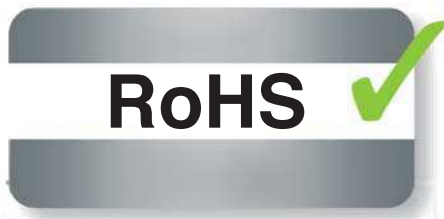
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| | |
|-------------------------------|---|
| Conformity | CE RoHS REACH |
| Burning behavior according to | IEC 60332-1 DIN EN 60332-1-2 VDE 0482 322-1-2 UL 1581 Part 1080 VW-1 UL FT1 |
| Oil resistant according to | UL 4d100C VDE 0282 T 10 DIN EN 60811-2-1 |
| Halogen free according to | DIN EN 60754-1 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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