

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

For high requirements



PVC control cables · C-track compatible · shielded

| | | |
|-----------------------|----------|---------------------|
| Identification | Type | SU N(C)Y(25G1,0) UL |
| | Part-No. | A1391825 |

Use/Application/Characteristics

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

Construction

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

17.02.2017 – Subject to technical modification

Part-No. A1391825

USA: LUTZE INC.

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SYSTEMATIC TECHNOLOGY

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| | |
|------------------------------------|---------------|
| Number of conductors/cross-section | (25G1.0) |
| Jacket material | Special PVC |
| Jacket color | grey RAL 7001 |
| Outer Ø | 16.2 mm |
| Outer Ø | 0.691 inches |
| Weight | 47.4 kg/100 m |
| Weight | 318 Lbs/Mft |
| Cu-Index | 33.5 kg/100 m |
| Cu-Index | 224 Lbs/Mft |

Element 1

| | |
|----------------------|---|
| Element construction | AWG18/25C |
| Conductor | CU-wire bare |
| Conductor category | IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 Klasse 6 |
| Conductor marking | black with black number print green/yellow |
| Conductor insulation | Special TPE |

overall construction

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

Technical data

| | |
|--------------------------|-------------------|
| 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 | AWG18/25C |
| Insulation resistance at 20°C | 100.0 MΩ×km |

Approvals/Standards

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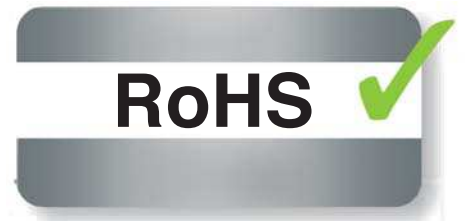
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