



Product: [30806](#)

Lead Wire, #6 Str TC, Silicone Ins, Fiber Glass Jkt, AWM 3125

[Request Sample](#)

Product Description

Rubber Lead Wire, 6AWG (84x25) Tinned Copper, Silicone Insulation, Fiber Glass Outer Jacket, AWM 3125 CSA SEW-2 600V 200C

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Suitable Applications: | Class 130(B), 155(F) or 180(H) insulation systems, internal wiring of lighting fixtures and appliances, high temperature applications |
|------------------------|---|

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Conductors |
|-----|-----------|--------------------|-------------------|
| 6 | 84x25 | TC - Tinned Copper | 1 |

| | |
|------------------|---|
| Conductor Count: | 1 |
|------------------|---|

Insulation

| Material | Nominal Wall Thickness | Min. Average Wall Thickness |
|-----------------|------------------------|-----------------------------|
| Silicone Rubber | 0.063 in | 0.06 in |

Outer Jacket Material

| Material | Nominal Diameter |
|--------------------------------|------------------|
| Lacquered Glass Braid Covering | 0.368 in |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 0.40 Ohm/1000ft |

Current

| Element | Max. Recommended Current [A] |
|--|--|
| Single conductor in free air @ 30C ambient | Single conductor in free air @ 30°C: 165 A |

Voltage

| UL Voltage Rating |
|-------------------|
| 600 V RMS |

Temperature Range

| | |
|-----------------------|-----------------|
| UL Temp Rating: | 200°C |
| Operating Temp Range: | -70°C To +200°C |

Mechanical Characteristics

| | |
|--------------------------------|--------------------------|
| Recommended Max Baking Cycles: | 24 Hours @ 410°F (210°C) |
| Bulk Cable Weight: | 142 lbs/1000ft |
| Min Bend Radius/Minor Axis: | 1.48 in |

Standards

| | |
|--------------------------|-------------------|
| UL AWM Style Compliance: | UL AWM Style 3125 |
| CSA Rating: | 600 V, 200°C |
| CSA Type: | SEW-2 |

Applicable Environmental and Other Programs

| | |
|---------------------------------------|-------------------------------|
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2003/96/EC (BFR): | Yes |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU Directive 2012/19/EU (WEEE): | Yes |
| EU Directive 2015/863/EU: | Yes |
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2004-01-01 |
| CA Prop 65: | Yes |
| MII Order #39 (China RoHS): | Yes |

Flammability, LSOH, Toxicity Testing

| | |
|--------------------|------------|
| UL Flammability: | Horizontal |
| CSA Flammability: | FT1 |
| UL voltage rating: | 600 V RMS |

Plenum/Non-Plenum

| | |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Part Number

Variants

| Item # | Color | Putup Type | Length | UPC |
|---------------|-------|------------|----------|--------------|
| 30806 010100 | Black | Reel | 100 ft | 612825140597 |
| 30806 010500 | Black | Reel | 500 ft | 612825140610 |
| 30806 0102000 | Black | Reel | 2,000 ft | 612825140603 |
| 30806 009100 | White | Reel | 100 ft | 612825140573 |
| 30806 009500 | White | Reel | 500 ft | 612825140580 |

| | |
|-----------|--|
| Footnote: | C - CRATE REEL PUT-UP. |
| Footnote: | F - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 50'. |

History

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|----------------------|--|
| Update and Revision: | Revision Number: 0.322 Revision Date: 11-17-2020 |
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