## **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 @ 30ºC: 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, LS0H, 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

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