



Product: [32412](#)

Lead Wire, #12 Str TC, Silicone Ins, Fiber Glass Jkt, AWM 3074

Request Sample

Product Description

Rubber Lead Wire, 12AWG (19x24H) Tinned Copper, Silicone Insulation, Fiber Glass Outer Jacket, AWM 3074 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 |
|-----|-----------|--------------------|-------------------|
| 12 | 19x24.5 | TC - Tinned Copper | 1 |

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

Insulation

| Material | Nominal Wall Thickness |
|-----------------|------------------------|
| Silicone Rubber | 0.03 in |

Outer Jacket

| Material | Nominal Diameter |
|--------------------------------|------------------|
| Lacquered Glass Braid Covering | 0.19 in |

Electrical Characteristics

Voltage

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

Temperature Range

| | |
|---------------------|-------|
| Non-UL Temp Rating: | 200°C |
| UL Temp Rating: | 200°C |

Mechanical Characteristics

| | |
|--------------------------------|--------------------------|
| Recommended Max Baking Cycles: | 24 Hours @ 410°F (210°C) |
| Bulk Cable Weight: | 25 lbs/1000ft |
| Min. Bend Radius/Minor Axis: | 0.76 in |

Standards

| | |
|--------------------------|--------------|
| UL AWM Style Compliance: | AWM 3074 |
| 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 2): | Yes |
| EU Directive 2012/19/EU (WEEE): | Yes |
| EU Directive 2015/863/EU (RoHS 2 amendment): | Yes |
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |
| EU CE Mark: | Yes |
| 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 |
|---------------|----|

Related Part Numbers

Variants

| Item # | Color | Put-Up Type | Length | UPC |
|---|-------|-------------|--------|--------------|
| 32412 010500 | Black | Reel | 500 ft | 612825142713 |
| 32412 009500 | White | Reel | 500 ft | 612825142706 |
| ** F - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 50'. | | | | |

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

Product Notes

| | |
|--------|---|
| Notes: | Recommended Maximum Baking Cycles: 24 hours @ 410°F (210°C) |
|--------|---|

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.377 Revision Date: 05-05-2023 |
|----------------------|--|

© 2023 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.