



Product: [31504](#)

Lead Wire, #4 Str TC, Neoprene Ins, AWM 3048

Request Sample

Product Description

Low Temp Rubber Lead Wire, 4AWG (105x24) Tinned Copper, Neoprene Insulation, AWM 3048 600V 90C

Technical Specifications

Product Overview

|                        |                                                                                |
|------------------------|--------------------------------------------------------------------------------|
| Suitable Applications: | internal wiring of appliances, oil resistance applications, motor lead systems |
|------------------------|--------------------------------------------------------------------------------|

Physical Characteristics (Overall)

| Conductor        |           |                    |                   |
|------------------|-----------|--------------------|-------------------|
| AWG              | Stranding | Material           | No. of Conductors |
| 4                | 105x24    | TC - Tinned Copper | 1                 |
| Conductor Count: |           |                    | 1                 |

| Insulation |                  |                        |
|------------|------------------|------------------------|
| Material   | Nominal Diameter | Nominal Wall Thickness |
| Neoprene   | 0.399 in         | 0.063 in               |

Electrical Characteristics

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

Temperature Range

|                              |                |
|------------------------------|----------------|
| Non-UL Temp Rating:          | 90°C           |
| UL Temp Rating:              | 90°C           |
| Operating Temperature Range: | -30°C to +90°C |

Mechanical Characteristics

|                                |                                                                                 |
|--------------------------------|---------------------------------------------------------------------------------|
| Recommended Max Baking Cycles: | 24 Hours @ 300°F (149°C) ~ 8 Hours @ 325°F (163°C) ~ 15 Minutes @ 450°F (232°C) |
| Bulk Cable Weight:             | 188 lbs/1000ft                                                                  |
| Min. Bend Radius/Minor Axis:   | 1.6 in                                                                          |

Standards

|                          |          |
|--------------------------|----------|
| UL AWM Style Compliance: | AWM 3048 |
|--------------------------|----------|

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) |

|                             |     |
|-----------------------------|-----|
| CA Prop 65:                 | Yes |
| MII Order #39 (China RoHS): | Yes |

Flammability, LSOH, Toxicity Testing

|                    |           |
|--------------------|-----------|
| UL voltage rating: | 600 V RMS |
|--------------------|-----------|

Plenum/Non-Plenum

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

Related Part Numbers

Variants

| Item #       | Color | Put-Up Type | Length | UPC          |
|--------------|-------|-------------|--------|--------------|
| 31504 010250 | Black | Reel        | 250 ft | 612825142102 |

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

Product Notes

|        |                                                                                                                    |
|--------|--------------------------------------------------------------------------------------------------------------------|
| Notes: | Recommended Maximum Baking Cycles: 24 Hours @ 300°F (149°C) ~ 8 Hours @ 325°F (163°C) ~ 15 Minutes @ 450°F (232°C) |
|--------|--------------------------------------------------------------------------------------------------------------------|

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.398 Revision Date: 05-05-2023 |
|----------------------|--------------------------------------------------|

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