



Product: [37500](#)

Lead Wire, #2/0 Str TC, EPDM Ins, AWM 3499

Request Sample

Product Description

Rubber Lead Wire, 2/0AWG (504x26) Tinned Copper, EPDM Insulation, AWM 3499 7500V 150C

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Suitable Applications: | internal wiring of appliances, high voltage and high temperature applications |
|------------------------|---|

Construction Details

Conductor

| Element | Number of Element | Size | Stranding | Material |
|--------------|-------------------|---------|-----------|--------------------|
| Conductor(s) | 1 | 2/0 AWG | 504x26 | TC - Tinned Copper |

Insulation

| Material | Nom. Thickness | Nom. Insulation Diameter |
|---|--------------------|--------------------------|
| EPDM - Ethylene Propylene Diene Monomer | 0.134 in (3.40 mm) | 0.739 in (18.8 mm) |
| Overall Cable Diameter (Nominal): | 0.739 in (18.8 mm) | |

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Max. Current |
|--------------------|----------------------------------|
| 0.0913 Ohm/1000ft | 401.6 Amps per Conductor at 30°C |

Voltage

| UL Voltage Rating |
|-------------------|
| 7500 V (AWM 3499) |

Mechanical Characteristics

Temperature

| UL Temperature | Operating |
|----------------|-----------------|
| 150°C | -55°C To +150°C |

Bend Radius

| Stationary Min. | Installation Min. |
|--------------------------------|--|
| 7.39 in (188 mm) | 7.39 in (188 mm) |
| Max. Pull Tension: | 1606 lbs (728.5 kg) |
| Recommended Max Baking Cycles: | 24 Hours @ 300°F (149°C) ~ 4 Hours @ 375°F (190°C) |
| Bulk Cable Weight: | 562 lbs/1000ft |

Standards and Compliance

| | |
|----------------------------------|------------------|
| Environmental Suitability: | Indoor, Outdoor |
| Sustainability: | CA Prop 65 |
| Flammability / Reaction to Fire: | Horizontal flame |

| | |
|--------------------------------|---|
| AWM Compliance: | AWM 3499 |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |

Product Notes

| | |
|--------|------------------------------|
| Notes: | Exact strand count may vary. |
|--------|------------------------------|

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.485 Revision Date: 01-20-2023 |
|----------------------|--|

Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC |
|--------------|-------|------------|--------|--------------|
| 37500 01050 | Black | Reel | 50 ft | 612825147220 |
| 37500 010250 | Black | Reel | 250 ft | 612825147213 |
| 37500 010500 | Black | Reel | 500 ft | 612825147237 |

© 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.