



**Product:** [37540](#)

Lead Wire, #4/0 Str TC, EPDM Ins, AWM 3499

[Request Sample](#)

## Product Description

Rubber Lead Wire, 4/0AWG (805x26) Tinned Copper, EPDM Insulation, AWM 3499 7500V 150C

## Technical Specifications

### Product Overview

|                        |                                                 |
|------------------------|-------------------------------------------------|
| Suitable Applications: | internal wiring of appliances and ballast leads |
|------------------------|-------------------------------------------------|

### Physical Characteristics (Overall)

#### Conductor

| AWG | Stranding | Material           | No. of Conductors |
|-----|-----------|--------------------|-------------------|
| 4/0 | 805x26    | TC - Tinned Copper | 1                 |

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

#### Insulation

| Material                                | Nominal Diameter | Nominal Wall Thickness | Min. Average Wall Thickness |
|-----------------------------------------|------------------|------------------------|-----------------------------|
| EPDM - Ethylene Propylene Diene Monomer | 0.909 in         | 0.129 in               | 0.125 in                    |

### Electrical Characteristics

#### Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 0.052 Ohm/1000ft      |

#### Current

| Element                                     | Max. Recommended Current [A]               |
|---------------------------------------------|--------------------------------------------|
| Single conductor in free air @ 30C ambient. | Single conductor in free air @ 30°C: 529 A |

#### Voltage

| UL Voltage Rating |
|-------------------|
| 7500 V RMS        |

### Temperature Range

|                       |                 |
|-----------------------|-----------------|
| UL Temp Rating:       | 150°C           |
| Operating Temp Range: | -55°C To +150°C |

### Mechanical Characteristics

|                                |                                                    |
|--------------------------------|----------------------------------------------------|
| Recommended Max Baking Cycles: | 24 Hours @ 350°F (177°C) ~ 4 Hours @ 375°F (190°C) |
| Bulk Cable Weight:             | 890 lbs/1000ft                                     |
| Min. Bend Radius/Minor Axis:   | 3.64 in                                            |

### Standards

|                          |                   |
|--------------------------|-------------------|
| UL AWM Style Compliance: | UL AWM Style 3499 |
|--------------------------|-------------------|

### 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, LS0H, Toxicity Testing

|                    |            |
|--------------------|------------|
| UL Flammability:   | Horizontal |
| UL voltage rating: | 7500 V RMS |

Plenum/Non-Plenum

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

Part Number

Variants

| Item #       | Color | Put-Up Type | Length | UPC          |
|--------------|-------|-------------|--------|--------------|
| 37540 01050  | Black | Reel        | 50 ft  | 612825147428 |
| 37540 010250 | Black | Reel        | 250 ft | 612825147411 |
| 37540 010500 | Black | Reel        | 500 ft | 612825147435 |

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

Product Notes

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

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.379 Revision Date: 08-27-2021 |
|----------------------|--------------------------------------------------|

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