



Product: [37506](#)

Lead Wire, #6 Str TC, EPDM Ins, AWM 3499

Request Sample

### Product Description

Rubber Lead Wire, 6AWG (84x25) 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      | No. of Elements | Size  | Stranding | Material           |
|--------------|-----------------|-------|-----------|--------------------|
| Conductor(s) | 1               | 6 AWG | 84x25     | TC - Tinned Copper |

##### Insulation

| Material                                | Nom. Thickness     | Nom. Insulation Diameter |
|---|--------------------|--------------------------|
| EPDM - Ethylene Propylene Diene Monomer | 0.131 in (3.33 mm) | 0.47 in (12 mm)          |
| Overall Cable Diameter (Nominal):       | 0.47 in (12 mm)    |                          |

#### Electrical Characteristics

##### Electricals

| Nom. Conductor DCR | Max. Current                     |
|--------------------|----------------------------------|
| 0.431 Ohm/1000ft   | 153.6 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.                                  |
|--------------------------------|--|
| 4.7 in (120 mm)                | 4.7 in (120 mm)                                    |
| Max. Pull Tension:             | 304 lbs (138 kg)                                   |
| Recommended Max Baking Cycles: | 24 Hours @ 300°F (149°C) ~ 4 Hours @ 375°F (190°C) |
| Bulk Cable Weight:             | 165 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 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: | Separator Material over Conductor: Y, |
|--------|---------------------------------------|

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.486 Revision Date: 01-20-2023 |
|----------------------|--|

## Part Numbers

### Variants

| Item #        | Color | Putup Type | Length   | UPC          | Footnote |
|---------------|-------|------------|----------|--------------|----------|
| 37506 01050   | Black | Reel       | 50 ft    | 612825147336 | C        |
| 37506 010500  | Black | Reel       | 500 ft   | 612825147343 | C F      |
| 37506 0101000 | Black | Reel       | 1,000 ft | 612825147329 | C F      |

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