



Product: [37530](#)

Lead Wire, #3/0 Str TC, EPDM Ins, AWM 3499

Request Sample

Product Description

Rubber Lead Wire, 3/0AWG (630x26) 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               | 3/0 AWG | 630x26    | TC - Tinned Copper |

Insulation

| Material                                             | Nom. Thickness     | Nom. Insulation Diameter |
|------------------------------------------------------|--------------------|--------------------------|
| EPDM - Ethylene Propylene Diene Monomer              | 0.137 in (3.48 mm) | 0.813 in (20.7 mm)       |
| Overall Cable Diameter (Nominal): 0.813 in (20.7 mm) |                    |                          |

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Max. Current                     |
|--------------------|----------------------------------|
| 0.0724 Ohm/1000ft  | 460.8 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.                                  |
|--------------------------------|----------------------------------------------------|
| 8.13 in (207 mm)               | 8.13 in (207 mm)                                   |
| Max. Pull Tension:             | 2178 lbs (987.9 kg)                                |
| Recommended Max Baking Cycles: | 24 Hours @ 300°F (149°C) ~ 4 Hours @ 375°F (190°C) |
| Bulk Cable Weight:             | 700 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: | Exact strand count may vary. Separator material over conductor. |
|--------|-----------------------------------------------------------------|

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.476 Revision Date: 02-03-2025 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #       | Color | Putup Type | Length | UPC          | Footnote |
|--------------|-------|------------|--------|--------------|----------|
| 37530 01050  | Black | Reel       | 50 ft  | 612825147398 | C        |
| 37530 010250 | Black | Reel       | 250 ft | 612825147381 | C F      |

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