



Product: [37504](#)

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

Request Sample

**Product Description**

Rubber Lead Wire, 4AWG (105x24) 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               | 4 AWG | 105x24    | TC - Tinned Copper |

Insulation

| Material                                | Nom. Thickness   | Nom. Insulation Diameter |
|-----------------------------------------|------------------|--------------------------|
| EPDM - Ethylene Propylene Diene Monomer | 0.13 in (3.3 mm) | 0.526 in (13.4 mm)       |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.526 in (13.4 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Max. Current                   |
|--------------------|--------------------------------|
| 0.279 Ohm/1000ft   | 192 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. |
|------------------|-------------------|
| 5.26 in (134 mm) | 5.26 in (134 mm)  |

|                                |                                                    |
|--------------------------------|----------------------------------------------------|
| Max. Pull Tension:             | 532 lbs (241 kg)                                   |
| Recommended Max Baking Cycles: | 24 Hours @ 300°F (149°C) ~ 4 Hours @ 375°F (190°C) |
| Bulk Cable Weight:             | 229 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 Tape over Conductor: Yes |
|--------|------------------------------------|

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.485 Revision Date: 02-03-2025 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #        | Color | Putup Type | Length   | UPC          | Footnote |
|---------------|-------|------------|----------|--------------|----------|
| 37504 01050   | Black | Reel       | 50 ft    | 612825147305 | C        |
| 37504 010500  | Black | Reel       | 500 ft   | 612825147312 | C F      |
| 37504 0101000 | Black | Reel       | 1,000 ft | 612825147299 | C F      |

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