



Product: [37508](#)

Lead Wire, #8 Str TC, EPDM Ins, AWM 3499

[Request Sample](#)

Product Description

Rubber Lead Wire, 8AWG (84x27) 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 | 8 AWG | 84x27 | TC - Tinned Copper |

Insulation

| Material | Nom. Thickness | Nom. Insulation Diameter |
|---|--------------------|--------------------------|
| EPDM - Ethylene Propylene Diene Monomer | 0.131 in (3.33 mm) | 0.423 in (10.7 mm) |

| | |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.423 in (10.7 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Max. Current |
|--------------------|----------------------------------|
| 0.701 Ohm/1000ft | 121.6 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. |
|------------------|-------------------|
| 4.23 in (107 mm) | 4.23 in (107 mm) |

| | |
|--------------------------------|--|
| Max. Pull Tension: | 210 lbs (95 kg) |
| Recommended Max Baking Cycles: | 24 Hours @ 300°F (149°C) ~ 4 Hours @ 375°F (190°C) |
| Bulk Cable Weight: | 122 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: 0.437 Revision Date: 06-30-2022 |
|----------------------|--|

Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC |
|---------------|-------|------------|----------|--------------|
| 37508 01050 | Black | Reel | 50 ft | 612825147367 |
| 37508 010500 | Black | Reel | 500 ft | 612825147374 |
| 37508 0101000 | Black | Reel | 1,000 ft | 612825147350 |

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