



**Product:** [37506](#)

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

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## 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
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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Conductors
6	84x25	TC - Tinned Copper	1

Conductor Count:	1
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#### Insulation

Material	Nominal Diameter	Nominal Wall Thickness	Min. Average Wall Thickness
EPDM - Ethylene Propylene Diene Monomer	0.47 in	0.131 in	0.125 in

### Electrical Characteristics

#### Conductor DCR

<b>Nominal Conductor DCR</b>
0.40 Ohm/1000ft

#### Current

Element	Max. Recommended Current [A]
Single conductor in free air @ 30C ambient	Single conductor in free air @ 30°C: 155 A

#### Voltage

<b>UL Voltage Rating</b>
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 @ 300°F (149°C) ~ 4 Hours @ 375°F (190°C)
Bulk Cable Weight:	165 lbs/1000ft
Min. Bend Radius/Minor Axis:	1.88 in

### Standards

UL AWM Style Compliance:	UL AWM Style 3499
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### 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)
CA Prop 65:	Yes
MII Order #39 (China RoHS):	Yes

## Flammability, LS0H, Toxicity Testing

UL voltage rating:	7500 V RMS
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## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Part Number

### Variants

Item #	Color	Put-Up Type	Length	UPC
37506 01050	Black	Reel	50 ft	612825147336
37506 010500	Black	Reel	500 ft	612825147343
37506 0101000	Black	Reel	1,000 ft	612825147329

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

## Product Notes

Notes:	Separator Material over Conductor: Y,
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## History

Update and Revision:	Revision Number: 0.374 Revision Date: 08-27-2021
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