



Product: [37501](#)

Lead Wire, #1 Str TC, EPDM Ins, AWM 3499

Request Sample

Product Description

Rubber Lead Wire, 1AWG (210x24) 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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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	1	1 AWG	210x24	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
EPDM - Ethylene Propylene Diene Monomer	0.131 in (3.33 mm)	0.638 in (16.2 mm)

Overall Cable Diameter (Nominal):	0.638 in (16.2 mm)
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
0.143 Ohm/1000ft	297.6 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.
6.38 in (162 mm)	6.38 in (162 mm)

Max. Pull Tension:	1085 lbs (492.1 kg)
Recommended Max Baking Cycles:	24 Hours @ 300°F (149°C) ~ 4 Hours @ 375°F (190°C)
Bulk Cable Weight:	391 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.
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History

Update and Revision:	Revision Number: 0.480 Revision Date: 01-20-2023
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
37501 01050	Black	Reel	50 ft	612825147244	C
37501 010500	Black	Reel	500 ft	612825147251	C F

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