


Product: [37506](#)
Lead Wire, #6 Str TC, EPDM Ins, AWM 3499
[Request Sample](#)
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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Construction Details
Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	1	6 AWG	84x25	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
EPDM - Ethylene Propylene Diene Monomer	0.131 in (3.33 mm)	0.47 in (12 mm)

Overall Cable Diameter (Nominal): 0.47 in (12 mm)

Electrical Characteristics
Electricals

Nom. Conductor DCR	Max. Current
0.431 Ohm/1000ft	153.6 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.
4.7 in (120 mm)	4.7 in (120 mm)

Max. Pull Tension: 304 lbs (138 kg)

Bulk Cable Weight: 165 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: 0.489 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
37506 01050	Black	Reel	50 ft	612825147336	C
37506 010500	Black	Reel	500 ft	612825147343	C F
37506 0101000	Black	Reel	1,000 ft	612825147329	C F

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

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