



Product: [37590](#)

Lead Wire, #1/0 Str TC, EPDM Ins, AWM 3499 7500V

Request Sample

Product Description

Rubber Lead Wire, 1/0AWG (262x24) 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
1/0	262x24	TC - Tinned Copper	1
Conductor Count:		1	

Insulation			
Material	Nominal Diameter	Nominal Wall Thickness	Min. Average Wall Thickness
EPDM - Ethylene Propylene Diene Monomer	0.688 in	0.131 in	0.125 in
EPDM - Ethylene Propylene Diene Monomer			

Outer Jacket Material

Nominal Diameter
0.688 in

Electrical Characteristics

Conductor DCR	
Nominal Conductor DCR	
0.1 Ohm/1000ft	

Current	
Element	Max. Recommended Current [A]
Single conductor in free air @ 30C ambient	339 Amps Single Conductor in Free Air at 30°C

Voltage	
UL Description	UL Voltage Rating
UL AWM 3499	7500 V

Temperature Range

UL Temp Rating:	150°C
Operating Temp Range:	-55°C To +150°C

Mechanical Characteristics

Bulk Cable Weight:	465 lbs/1000ft
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Standards

UL AWM Style Compliance:	3499
Military Compliance:	N/A

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 II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
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	Putup Type	Length	UPC
37590 01050	Black	Reel	50 ft	612825147459
37590 010250	Black	Reel	250 ft	612825147442
37590 010500	Black	Reel	500 ft	612825147466

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

Product Notes

Notes:	Separator Material over Conductor: Yes
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History

Update and Revision:	Revision Number: 0.285 Revision Date: 06-15-2020
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