



Product: [31504](#)

Lead Wire, #4 Str TC, Neoprene Ins, AWM 3048

Request Sample

Product Description

Low Temp Rubber Lead Wire, 4AWG (105x24) Tinned Copper, Neoprene Insulation, AWM 3048 600V 90C

Technical Specifications

Product Overview

Suitable Applications:	internal wiring of appliances, oil resistance applications, motor lead systems
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Physical Characteristics (Overall)

Conductor			
AWG	Stranding	Material	No. of Conductors
4	105x24	TC - Tinned Copper	1
Conductor Count:			1

Insulation		
Material	Nominal Diameter	Nominal Wall Thickness
Neoprene	0.399 in	0.063 in

Electrical Characteristics

Voltage	
UL Voltage Rating	
600 V RMS	

Temperature Range

Non-UL Temp Rating:	90°C
UL Temp Rating:	90°C
Operating Temperature Range:	-30°C to +90°C

Mechanical Characteristics

Recommended Max Baking Cycles:	24 Hours @ 300°F (149°C) ~ 8 Hours @ 325°F (163°C) ~ 15 Minutes @ 450°F (232°C)
Bulk Cable Weight:	188 lbs/1000ft
Min. Bend Radius/Minor Axis:	1.6 in

Standards

UL AWM Style Compliance:	AWM 3048
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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
MIl Order #39 (China RoHS):	Yes

Flammability, LSOH, Toxicity Testing

UL voltage rating:	600 V RMS
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
31504 010250	Black	Reel	250 ft	612825142102

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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Product Notes

Notes:	Recommended Maximum Baking Cycles: 24 Hours @ 300°F (149°C) ~ 8 Hours @ 325°F (163°C) ~ 15 Minutes @ 450°F (232°C)
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History

Update and Revision:	Revision Number: 0.399 Revision Date: 02-03-2025
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