



Product: [31512](#) 

Lead Wire, #12 Str TC, Neoprene Ins, AWM 3046

 [Request Sample](#)

Product Description

Low Temp Rubber Lead Wire, 12AWG (65x30) Tinned Copper, Neoprene Insulation, AWM 3046 CSA TYPE CL903600V 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
12	65x30	TC - Tinned Copper	1

Conductor Count:	1
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Insulation

Material	Nominal Diameter	Nominal Wall Thickness
Neoprene	0.190 in	0.049 in

Electrical Characteristics

Voltage

UL Voltage Rating
600 V RMS

Temperature Range

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

Mechanical Characteristics

Recommended Maximum Baking Cycles:	24 Hours @ 300°F (149°C) ~ 8 Hours @ 325°F (163°C) ~ 15 Minutes @ 450°F (232°C)
Bulk Cable Weight:	36 lbs/1000ft
Minimum Minor Axis Bend Radius:	0.76 in

Standards

UL AWM Style Compliance:	AWM 3046
CSA Rating:	600 V, 90°C
CSA Type:	CL903

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:	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
31512 010250	Black	Reel	250 ft	612825142164
31512 0103000	Black	Reel	3,000 ft	612825142171

Footnote:	F - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 50'. C - CRATE REEL PUT-UP. I - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 200'. U - TOPCOAT ADDERS ON STOCK SOLID COLORS. MINIMUM ORDER 10,000' PER COLOR COMBINATION. (SEE TOPCOAT ADDER TABLE)
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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: 0.398 Revision Date: 02-03-2025
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