



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	

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 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:	36 lbs/1000ft
Min. Bend Radius/Minor Axis:	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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