



Product: [31520](#)

Lead Wire, #20 Str TC, Neoprene Ins, AWM 3044

Request Sample

Product Description

Low Temp Rubber Lead Wire, 20AWG (10x30) Tinned Copper, Neoprene Insulation, AWM 3044 CSA TYPE CL902300V 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
20	10x30	TC - Tinned Copper	1
Conductor Count:		1	

Insulation	
Material	Nominal Wall Thickness
Neoprene	0.031 in

Electrical Characteristics

Voltage	
UL Voltage Rating	
300 V RMS	

Temperature Range

Non-UL Temp Rating:	90°C
UL Temp Rating:	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:	8 lbs/1000ft
Min. Bend Radius/Minor Axis:	0.4 in

Standards

UL AWM Style Compliance:	AWM 3044
CSA Rating:	300 V RMS, 90°C
CSA Type:	CL902

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)
EU CE Mark:	Yes
CA Prop 65:	Yes
MII Order #39 (China RoHS):	Yes

Flammability, LSOH, Toxicity Testing

UL voltage rating:	300 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
31520 010500	Black	Reel	500 ft	612825142447
31520 0105000	Black	Reel	5,000 ft	612825142454

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'. Z - FINAL PUT-UP MAY VARY (= OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.
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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: 0.370 Revision Date: 05-05-2023
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