



Product: [31518](#)

Lead Wire, #18 Str TC, Neoprene Ins, AWM 3044

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Product Description

Low Temp Rubber Lead Wire, 18AWG (19x30) Tinned Copper, Neoprene Insulation, AWM 3044 CSA TYPE CL902 300V 90C

Technical Specifications

Product Overview

Suitable Applications:	internal wiring of appliances, oil resistance applications, motor lead systems
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Construction Details

Conductor

Size	Stranding	Material
18 AWG	19x30	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
Neoprene	0.032 in (0.81 mm)	0.109 in (2.77 mm)

Overall Cable Diameter (Nominal):	0.109 in (2.77 mm)
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
6.45 Ohm/1000ft (21.2 Ohm/km)	Single conductor in free air @ 30°C: 18 A

Voltage

UL Voltage Rating
300 V RMS

Mechanical Characteristics

Temperature

UL Temperature	Operating
90°C Dry, 60°C Oil	-30°C To +90°C

Recommended Max Baking Cycles:	24 Hours @ 300°F (149°C) ~ 8 Hours @ 325°F (163°C) ~ 15 Minutes @ 450°F (232°C)
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Bulk Cable Weight:	10 lbs/1000ft (15 kg/km)
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Standards and Compliance

Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	Horizontal, UL Horizontal Flame
AWM Compliance:	UL AWM Style 3044
CEC / C(UL) Compliance:	CL-902
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

Product Notes

Notes:	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: 0.363 Revision Date: 12-15-2021
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