



Product: [31514](#)

Lead Wire, #14 Str TC, Neoprene Ins, AWM 3046

Request Sample

Product Description

Low Temp Rubber Lead Wire, 14AWG (41x30) 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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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	1	14 AWG	41x30	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
Neoprene	0.047 in (1.2 mm)	0.169 in (4.29 mm)

Overall Cable Diameter (Nominal):	0.169 in (4.29 mm)
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
2.82 Ohm/1000ft	40 Amps per Conductor at 30°C

Voltage

UL Voltage Rating
600 V (AWM 3046)

Mechanical Characteristics

Temperature

UL Temperature	Operating
90°C	-30°C To +90°C

Bend Radius

Stationary Min.	Installation Min.
1.69 in (42.9 mm)	1.69 in (42.9 mm)

Max. Pull Tension:	53.3 lbs (24.2 kg)
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:	26 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	Horizontal flame

AWM Compliance:	AWM 3046
CEC / C(UL) Compliance:	CL-903
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:	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: 0.480 Revision Date: 02-03-2025
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
31514 010500	Black	Reel	500 ft	612825142256	F
31514 0104000	Black	Reel	4,000 ft	612825142249	C I U
31514 005500	Green, Dark	Reel	500 ft	612825142225	F
31514 0024000	Red	Reel	4,000 ft	612825142201	C I U
31514 009500	White	Reel	500 ft	612825142232	F
31514 0044000	Yellow	Reel	4,000 ft	612825142218	C I U

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