


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

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)

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)

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: 0.481 Revision Date: 09-07-2025
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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

Footnote:	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), F - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 50'.
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