



Product: [31506](#)

Lead Wire, #6 Str TC, Neoprene Ins, AWM 3048

Request Sample

Product Description

Low Temp Rubber Lead Wire, 6AWG (84x25) Tinned Copper, Neoprene Insulation, AWM 3048 600V 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	6 AWG	84x25	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
Neoprene	0.063 in (1.6 mm)	0.343 in (8.71 mm)

Overall Cable Diameter (Nominal):	0.343 in (8.71 mm)
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
0.446 Ohm/1000ft	120 Amps per Conductor at 30°C

Voltage

UL Voltage Rating
600 V (AWM 3048)

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
3.43 in (87.1 mm)	3.43 in (87.1 mm)

Max. Pull Tension:	304 lbs (138 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:	127 lbs/1000ft

Standards and Compliance

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

AWM Compliance:	AWM 3048
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: 0.476 Revision Date: 02-03-2025
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
31506 010500	Black	Reel	500 ft	612825142119	C F

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