



Product: [31508](#)

Lead Wire, #8 Str TC, Neoprene Ins, AWM 3048

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Product Description

Low Temp Rubber Lead Wire, 8AWG (84x27) 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	8 AWG	84x27	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
Neoprene	0.062 in (1.6 mm)	0.285 in (7.24 mm)

Overall Cable Diameter (Nominal):	0.285 in (7.24 mm)
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
0.708 Ohm/1000ft	88 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.
2.85 in (72.4 mm)	2.85 in (72.4 mm)

Max. Pull Tension:	210 lbs (95 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:	85 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor
Sustainability:	CA Prop 65, Product Lens™
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)

Product Notes

Notes:	Separator Material over Conductor: Y, 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: 0.487 Revision Date: 01-20-2023
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
31508 010500	Black	Reel	500 ft	612825142133	C F
31508 002500	Red	Reel	500 ft	612825142126	C F

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