



Product: [31510](#)

Lead Wire, #10 Str TC, Neoprene Ins, AWM 3046

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Product Description

Low Temp Rubber Lead Wire, 10AWG (65x28) Tinned Copper, Neoprene Insulation, AWM 3046 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	10 AWG	65x28	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
Neoprene	0.049 in (1.2 mm)	0.209 in (5.31 mm)

Overall Cable Diameter (Nominal):	0.209 in (5.31 mm)
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
1.11 Ohm/1000ft	64 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.
2.09 in (53.1 mm)	2.09 in (53.1 mm)

Max. Pull Tension:	130 lbs (59 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:	49 lbs/1000ft

Standards and Compliance

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

AWM Compliance:	AWM 3046
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
31510 010250	Black	Reel	250 ft	612825142157
31510 0102000	Black	Reel	2,000 ft	612825142140

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