



Product: [31510](#)

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

Request Sample

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	Number of Element	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: 0.474 Revision Date: 01-20-2023
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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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