



**Product:** [31508](#)

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

[Request Sample](#)

**Product Description**

Low Temp Rubber Lead Wire, 8AWG (84x27) Tinned Copper, Neoprene Insulation, AWM 3048 600V 90C

**Technical Specifications**

**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	No. of Conductors
8	84x27	TC - Tinned Copper	1

Conductor Count:	1
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**Insulation**

Material	Nominal Diameter	Nominal Wall Thickness	Min. Average Wall Thickness
Neoprene	0.285 in	0.062 in	0.06 in

**Electrical Characteristics**

**Conductor DCR**

Nominal Conductor DCR
0.64 Ohm/1000ft

**Current**

Element	Max. Recommended Current [A]
Single conductor in free air @ 30C ambient	Single conductor in free air @ 30°C: 80 A

**Voltage**

UL Voltage Rating
600 V RMS

**Temperature Range**

Non-UL Temp Rating:	90°C
UL Temp Rating:	90°C
Operating Temp Range:	-30°C To +90°C

**Mechanical Characteristics**

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
Min Bend Radius/Minor Axis:	1.14 in

**Standards**

UL AWM Style Compliance:	UL AWM Style 3048
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**Applicable Environmental and Other Programs**

EU Directive 2000/53/EC (ELV):	Yes
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EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
CA Prop 65:	Yes
MII Order #39 (China RoHS):	Yes

## Flammability, LSOH, Toxicity Testing

UL voltage rating:	600 V RMS
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## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Part Number

### Variants

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

Footnote:	C - CRATE REEL PUT-UP.
Footnote:	F - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 50'.

## 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: 0.316 Revision Date: 11-17-2020
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