



Product: [35616](#)

Lead Wire, #16 Str TC, XLPO Ins, AWM 3173

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Product Description

Rubber Lead Wire, 16AWG (26x30) Tinned Copper, XLPO Insulation, AWM 3173 CSA TYPE CL1251 600V 125C

Technical Specifications

Product Overview

Suitable Applications:	Class 130(B) motor lead systems, internal wiring of appliances
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
16	26x30	TC - Tinned Copper	1

Conductor Count:	1
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Insulation

Material	Nominal Diameter	Nominal Wall Thickness	Min. Average Wall Thickness
XLPE, XLPO, XLPE (Thermoset)	0.122 in	0.032 in	0.03 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
4 Ohm/1000ft

Current

Element	Max. Recommended Current [A]
Single Conductor in Free Air @ 30C Ambient	Single conductor in free air @ 30°C: 28 A

Voltage

UL Voltage Rating
600 V RMS

Temperature Range

UL Temp Rating:	125°C
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Mechanical Characteristics

Recommended Max Baking Cycles:	24 Hours @ 300°F (149°C) ~ 12 Hours @ 325°F (163°C) ~ 8 Hours @ 350°F (177°C)
Bulk Cable Weight:	14 lbs/1000ft
Min. Bend Radius/Minor Axis:	0.49 in

Standards

UL AWM Style Compliance:	UL AWM Style 3173
CSA Rating:	600 V, 125°C

CSA Type:	CL1251
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Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
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	Put-Up Type	Length	UPC
35616 010500	Black	Reel	500 ft	612825145103
35616 0105000	Black	Reel	5,000 ft	612825145110
35616 0065000	Blue, Light	Reel	5,000 ft	612825145080
35616 0015000	Brown	Reel	5,000 ft	612825145011
35616 005500	Green, Dark	Reel	500 ft	612825145066
35616 0055000	Green, Dark	Reel	5,000 ft	612825145073
35616 0035000	Orange	Reel	5,000 ft	612825145042
35616 002500	Red	Reel	500 ft	612825145028
35616 0025000	Red	Reel	5,000 ft	612825145035
35616 009500	White	Reel	500 ft	612825145097
35616 0045000	Yellow	Reel	5,000 ft	612825145059

Footnote:	C - CRATE REEL PUT-UP., I - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 200'. U - TOPCOAT ADDERS ON STOCK SOLID COLORS. MINIMUM ORDER 10,000' PER COLOR COMBINATION. (SEE TOPCOAT ADDER TABLE), Z - FINAL PUT-UP MAY VARY (= OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN., F - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 50'.
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History

Update and Revision:	Revision Number: 0.365 Revision Date: 12-15-2021
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