



**Product:** [35618](#)

Lead Wire, #18 Str TC, XLPO Ins, AWM 3173

[Request Sample](#)

**Product Description**

Rubber Lead Wire, 18AWG (16x30) 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
18	16x30	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)	0.109 in	0.032 in	0.03 in

**Electrical Characteristics**

**Conductor DCR**

<b>Nominal Conductor DCR</b>
6.5 Ohm/1000ft

**Current**

Element	Max. Recommended Current [A]
Single conductor in free air @ ambient 30C	Single conductor in free air @ 30°C: 22 A

**Voltage**

<b>UL Voltage Rating</b>
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:	10 lbs/1000ft
Min. Bend Radius/Minor Axis:	0.44 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
35618 010500	Black	Reel	500 ft	612825145233
35618 0105000	Black	Reel	5,000 ft	612825145240
35618 0135000	Blue, Dark	Reel	5,000 ft	612825145264
35618 0065000	Blue, Light	Reel	5,000 ft	612825145196
35618 0015000	Brown	Reel	5,000 ft	612825145127
35618 0085000	Gray	Reel	5,000 ft	612825145219
35618 0055000	Green, Dark	Reel	5,000 ft	612825145189
35618 0035000	Orange	Reel	5,000 ft	612825145158
35618 0125000	Pink	Reel	5,000 ft	612825145257
35618 002500	Red	Reel	500 ft	612825145134
35618 0025000	Red	Reel	5,000 ft	612825145141
35618 0075000	Violet	Reel	5,000 ft	612825145202
35618 0095000	White	Reel	5,000 ft	612825145226
35618 004500	Yellow	Reel	500 ft	612825145165
35618 0045000	Yellow	Reel	5,000 ft	612825145172

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: 0.360 Revision Date: 08-27-2021
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