



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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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	1	18	16x30	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
XLPO, XLPE (Thermoset)	0.032 in (0.81 mm)	0.109 in (2.77 mm)

Overall Cable Diameter (Nominal):	0.109 in (2.77 mm)
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
6.5 Ohm/1000ft	Single conductor in free air @ 30°C: 22 A

Voltage

UL Voltage Rating
600 V RMS

Mechanical Characteristics

Temperature

UL Temperature
125°C

Bend Radius

Stationary Min.	Installation Min.
0.44 in (11 mm)	0.44 in (11 mm)

Max. Pull Tension:	20.8 lbs (9.43 kg)
Bulk Cable Weight:	10 lbs/1000ft

Standards and Compliance

Sustainability:	CA Prop 65
AWM Compliance:	AWM 3173
CEC / C(UL) Compliance:	CL-1251

European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
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History

Update and Revision:	Revision Number: 0.463 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
35618 010500	Black	Reel	500 ft	612825145233	F
35618 0105000	Black	Reel	5,000 ft	612825145240	C I U Z
35618 0135000	Blue, Dark	Reel	5,000 ft	612825145264	C I U Z
35618 0065000	Blue, Light	Reel	5,000 ft	612825145196	C I U Z
35618 0015000	Brown	Reel	5,000 ft	612825145127	C I U Z
35618 0085000	Gray	Reel	5,000 ft	612825145219	C I U Z
35618 0055000	Green, Dark	Reel	5,000 ft	612825145189	C I U Z
35618 0035000	Orange	Reel	5,000 ft	612825145158	C I U Z
35618 0125000	Pink	Reel	5,000 ft	612825145257	C I U Z
35618 002500	Red	Reel	500 ft	612825145134	F
35618 0025000	Red	Reel	5,000 ft	612825145141	C I U Z
35618 0075000	Violet	Reel	5,000 ft	612825145202	C I U Z
35618 0095000	White	Reel	5,000 ft	612825145226	C I U Z
35618 004500	Yellow	Reel	500 ft	612825145165	F
35618 0045000	Yellow	Reel	5,000 ft	612825145172	C I U Z

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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