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

Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Conductor(s)	1	18	16x30	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
XLP, 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)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
6.5 Ohm/1000ft	Single conductor in free air @ 30ºC: 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)
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

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)

History

Update and Revision:	Revision Number: 0.462 Revision Date: 03-04-2023

Part Numbers

Variants

Item #	Color	Putup 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