



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	No. of Elements	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 @ 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)
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	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

© 2025 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.