BELDEN

Product: 35616 ☒

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

    ⠿ Request Sample

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

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	1	16	26x30	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
XLP, XLPO, XLPE (Thermoset)	0.032 in (0.81 mm)	0.122 in (3.10 mm)

Overall Cable Diameter (Nominal):	0.122 in (3.10 mm)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
4 Ohm/1000ft	Single conductor in free air @ 30ºC: 28 A

Voltage

UL Voltage Rating
600 V RMS

Mechanical Characteristics

Temperature

UL Temperature
125°C

Bend Radius

Stationary Min.	Installation Min.
0.49 in (12 mm)	0.49 in (12 mm)

Max. Pull Tension:	35.1 lbs (15.9 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:	14 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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.464 Revision Date: 07-03-2024

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
35616 010500	Black	Reel	500 ft	612825145103	F
35616 0105000	Black	Reel	5,000 ft	612825145110	C I U Z
35616 0065000	Blue, Light	Reel	5,000 ft	612825145080	C I U Z
35616 0015000	Brown	Reel	5,000 ft	612825145011	C I U Z
35616 005500	Green, Dark	Reel	500 ft	612825145066	F
35616 0055000	Green, Dark	Reel	5,000 ft	612825145073	C I U Z
35616 0035000	Orange	Reel	5,000 ft	612825145042	C I U Z
35616 002500	Red	Reel	500 ft	612825145028	F
35616 0025000	Red	Reel	5,000 ft	612825145035	C I U Z
35616 009500	White	Reel	500 ft	612825145097	F
35616 0045000	Yellow	Reel	5,000 ft	612825145059	C I U Z

Mouser Electronics

Authorized Distributor

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