BELDEN

Product: [35620](#) 🗗

Lead Wire, #20 Str TC, XLPO Ins, AWM 3173

<div style="border:1px solid green">🎁 Request Sample</div>

Product Description

Rubber Lead Wire, 20AWG (10x30) 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

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
20	10x30	TC - Tinned Copper	1
Conductor Count:		1	

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
XLP, XLPO, XLPE (Thermoset)	0.101 in	0.032 in

Electrical Characteristics

Voltage

UL Voltage Rating
600 V RMS

Temperature Range

UL Temp Rating:	125°C

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:	7 lbs/1000ft
Min. Bend Radius/Minor Axis:	0.41 in

Standards

UL AWM Style Compliance:	AWM 3173
CSA Rating:	600 V, 125°C
CSA Type:	CL1251

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)
CA Prop 65:	Yes
MII Order #39 (China RoHS):	Yes

Flammability, LS0H, Toxicity Testing

UL voltage rating:	600 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
35620 010500	Black	Reel	500 ft	612825145288
35620 0105000	Black	Reel	5,000 ft	612825145295
35620 0065000	Blue, Light	Reel	5,000 ft	612825145271

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'.

History

Update and Revision:	Revision Number: 0.360 Revision Date: 05-05-2023

Mouser Electronics

Authorized Distributor

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