BELDEN

Product: 35718 ☐

Lead Wire, #18 Str TC, XLPO Ins, AWM 3199

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

Product Description

Low Temp Rubber Lead Wire, 18AWG (19x30H) Tinned Copper, XLPO Insulation, AWM 3199 CSA TYPE CL1054 300V 105C

Technical Specifications

Product Overview

Suitable Applications:	internal wiring of appliances and ballast leads

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
18	19x30.5	TC - Tinned Copper	1

Conductor Count:	1

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
XLP, XLPO, XLPE (Thermoset)	0.078 in	0.016 in

Electrical Characteristics

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

UL Temp Rating:	105°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:	8 lbs/1000ft
Min. Bend Radius/Minor Axis:	0.32 in

Standards

UL AWM Style Compliance:	AWM 3199
CSA Rating:	300 V RMS, 105°C
CSA Type:	CL1054

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:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
35718 0105000	Black	Reel	5,000 ft	612825145370
35718 0015000	Brown	Reel	5,000 ft	612825145349
35718 0055000	Green, Dark	Reel	5,000 ft	612825145356
35718 0095000	White	Reel	5,000 ft	612825145363

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.

History

Update and Revision:	Revision Number: 0.359 Revision Date: 05-05-2023

Mouser Electronics

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