



Product: [33318](#)

Lead Wire, #18 Str TC, Silicone Ins, AWM 3212

Request Sample

Product Description

Low Temp Rubber Lead Wire, 18AWG (16x30) Tinned Copper, Silicone Insulation, AWM 3212 CSA TYPE AWM 600V 150C

Technical Specifications

Product Overview

Suitable Applications:	Class 155(F) or Class 180(H) motor lead systems , high temperature applications, internal wiring of lighting fixtures and appliances
------------------------	--

Physical Characteristics (Overall)

Conductor			
AWG	Stranding	Material	No. of Conductors
18	16x30	TC - Tinned Copper	1
Conductor Count:			1

Insulation	
Material	Nominal Wall Thickness
Silicone Rubber	0.048 in

Electrical Characteristics

Voltage	
UL Voltage Rating	
600 V RMS	

Temperature Range

Non-UL Temp Rating:	150°C
UL Temp Rating:	150°C

Mechanical Characteristics

Recommended Max Baking Cycles:	24 Hours @ 410°F (210°C)
Bulk Cable Weight:	7 lbs/1000ft
Min. Bend Radius/Minor Axis:	0.57 in

Standards

UL AWM Style Compliance:	AWM 3212
CSA Rating:	600 V, 150°C
CSA AWM Compliance:	CSA AWM I B
CSA Type:	AWM

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
MIL Order #39 (China RoHS):	Yes

Flammability, LSOH, Toxicity Testing

CSA Flammability:	FT2
UL voltage rating:	600 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
---------------	----

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
33318 010500	Black	Reel	500 ft	612825143482
33318 009500	White	Reel	500 ft	612825143475

Footnote:	F - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 50'.
-----------	--

History

Update and Revision:	Revision Number: 0.367 Revision Date: 05-05-2023
----------------------	--

© 2024 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.