



Product: [30820](#)

Lead Wire, #20 Str TC, Silicone Ins, Fiber Glass Jkt, AWM 3069

[Request Sample](#)

Product Description

Rubber Lead Wire, 20AWG (10x30) Tinned Copper, Silicone Insulation, Fiber Glass Outer Jacket, AWM 3069 CSA SEWF-2 600V 150C

Technical Specifications

Product Overview

Suitable Applications:	Class 130(B), 155(F) or 180(H) insulation systems, internal wiring of lighting fixtures and appliances, high temperature applications
------------------------	---

Physical Characteristics (Overall)

Conductor

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

Conductor Count:	1
------------------	---

Insulation

Material	Nominal Wall Thickness
Silicone Rubber	0.032 in

Outer Jacket

Material	Nominal Diameter
Lacquered Glass Braid Covering	0.122 in

Electrical Characteristics

Voltage

UL Voltage Rating
600 V RMS

Temperature Range

UL Temperature Rating:	150°C
Operating Temperature Range:	-70°C To +150°C

Mechanical Characteristics

Recommended Maximum Baking Cycles:	24 Hours @ 410°F (210°C)
Bulk Cable Weight:	9 lbs/1000ft
Minimum Minor Axis Bend Radius:	0.49 in

Standards

UL AWM Style Compliance:	AWM 3069
CSA Rating:	600 V, 150°C
CSA Type:	SEWF-2

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 Flammability:	Horizontal
CSA Flammability:	FT1
UL voltage rating:	600 V RMS

Plenum/Non-Plenum

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

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
30820 010500	Black	Reel	500 ft	612825140849
30820 009500	White	Reel	500 ft	612825140832

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

History

Update and Revision:	Revision Number: 0.376 Revision Date: 02-03-2025
----------------------	--

© 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.