



Product: [34412](#)

Lead Wire, #12 Str TC, CSPE Ins, AWM 3191

Request Sample

Product Description

Low Temp Rubber Lead Wire, 12AWG (65x30) Tinned Copper, CSPE Insulation, AWM 3191 CSA TYPE CL1053 600V 105C

Technical Specifications

Physical Characteristics (Overall)

Conductor			
AWG	Stranding	Material	No. of Conductors
12	65x30	TC - Tinned Copper	1
Conductor Count:		1	

Insulation			
Material	Nominal Diameter	Nominal Wall Thickness	Min. Average Wall Thickness
CSPE - Chlorosulphonated Polyethylene	0.19 in	0.052 in	0.045 in

Electrical Characteristics

Voltage	
UL Voltage Rating	
600 V RMS	

Temperature Range

UL Temp Rating:	105°C
Operating Temperature Range:	-30°C To +105°C

Mechanical Characteristics

Recommended Max Baking Cycles:	24 Hours @ 300°F (149°C)
Bulk Cable Weight:	35 lbs/1000ft
Min. Bend Radius/Minor Axis:	0.76 in

Standards

UL AWM Style Compliance:	AWM 3191
CSA Rating:	600 V, 105°C
CSA Type:	CL1053

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)
EU CE Mark:	Yes
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
34412 010100	Black	Reel	100 ft	612825143888
34412 010500	Black	Reel	500 ft	612825143901
34412 0103000	Black	Reel	3,000 ft	612825143895
34412 008500	Gray	Reel	500 ft	
34412 005500	Green, Dark	Reel	500 ft	612825143871
34412 002500	Red	Reel	500 ft	612825143864

Footnote:	C - CRATE REEL PUT-UP., F - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 50'. 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)
-----------	---

Product Notes

Notes:	Separator material over conductor.
--------	------------------------------------

History

Update and Revision:	Revision Number: 0.356 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.