



Product: [9918](#)

Lead Wire, #18 Str TC, PVC Ins, AWM 1007 AWM 1569

[Request Sample](#)

Product Description

Low Temp Plastic Lead Wire, 18AWG (16x30) Tinned Copper, PVC Insulation, AWM 1007 AWM 1569 CSA TYPE TR-64 TRSR-64

Technical Specifications

Product Overview

Suitable Applications: inter-connection circuits, internal wiring of computer and electronic equipments, internal wiring of appliances

Physical Characteristics (Overall)

Conductor

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

Conductor Count: 1

Insulation

Material	Nominal Diameter	Nominal Wall Thickness	Min. Average Wall Thickness
PVC - Polyvinyl Chloride	0.079 in	0.017 in	0.015 in

Construction and Dimensions

Stranding

Twists
6 twist/ft

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
6.5 Ohm/1000ft

Current

Element	Max. Recommended Current [A]
Single conductor in free air @ 30C ambient	Single conductor in free air @ 30°C: 20 A

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

UL Temp Rating: 105°C

Mechanical Characteristics

Bulk Cable Weight:	6 lbs/1000ft
Min. Bend Radius/Minor Axis:	0.32 in

Standards

UL Rating:	300V RMS, 80°C and 300V, 105°C
UL AWM Style Compliance:	UL AWM Styles 1007, 1569
CSA Rating:	300V RMS, 105°C
CSA Type:	TRSR-64

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, LSOH, Toxicity Testing

UL Flammability:	VW-1
CSA Flammability:	FT1
UL voltage rating:	300 V RMS

Part Number

Variants

Item #	Color	Put-Up Type	Length	UPC
9918 010100	Black	Reel	100 ft	612825262404
9918 0101000	Black	Reel	1,000 ft	612825349853
9918 0105000	Black	Reel	5,000 ft	612825262411
9918 013100	Blue, Dark	Reel	100 ft	612825262442
9918 0131000	Blue, Dark	Reel	1,000 ft	612825262459
9918 0135000	Blue, Dark	Reel	5,000 ft	612825262466
9918 006100	Blue, Light	Reel	100 ft	612825262299
9918 0061000	Blue, Light	Reel	1,000 ft	612825262305
9918 001100	Brown	Reel	100 ft	612825262138
9918 0011000	Brown	Reel	1,000 ft	612825262145
9918 0015000	Brown	Reel	5,000 ft	612825262152
9918 008100	Gray	Reel	100 ft	612825262343
9918 0081000	Gray	Reel	1,000 ft	612825349846
9918 005100	Green, Dark	Reel	100 ft	612825262268
9918 0051000	Green, Dark	Reel	1,000 ft	612825262275
9918 0055000	Green, Dark	Reel	5,000 ft	612825262282
9918 003100	Orange	Reel	100 ft	612825262213
9918 0031000	Orange	Reel	1,000 ft	612825262220
9918 002100	Red	Reel	100 ft	612825262176
9918 0021000	Red	Reel	1,000 ft	612825262183
9918 0025000	Red	Reel	5,000 ft	612825262190
9918 007100	Violet	Reel	100 ft	612825262329
9918 0071000	Violet	Reel	1,000 ft	612825262336
9918 009100	White	Reel	100 ft	612825262367
9918 0091000	White	Reel	1,000 ft	612825262374
9918 0095000	White	Reel	5,000 ft	612825262381
9918 004100	Yellow	Reel	100 ft	612825262237
9918 0041000	Yellow	Reel	1,000 ft	612825262244

Footnote:

P - STRIPE COLORS ON STOCK SOLID COLORS. STRIPING ADDER OF \$8.00/M= FOR 1 OR 2 STRIPES. 10,000' MINIMUM ORDER FOR COLOR COMBINATION. PUT-UP WILL BE SUBJECT TO TWO PIECES (+ OR -) 10% PER SPOOL, WITH A MINIMUM LENGTH OF 100'. C - CRATE REEL PUT-UP., K - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 500'. 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: 0.387 Revision Date: 08-27-2021

© 2021 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.