



**Part Number: 9919**

Lead Wire, #20 Str TC, PVC Ins, AWM 1007 AWM 1569

[Request Sample](#)

**Product Description**

Low Temp Plastic Lead Wire, 20AWG (7x28) Tinned Copper, PVC Insulation, AWM 1007 AWM 1569 CSA TYPE TR-64 TRSR-64

**Technical Specifications**

**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	No. of Conductors	No. of Pairs
20	7x28	TC - Tinned Copper	1	6

Conductor Count:	1
Conductor Size:	20 AWG

**Insulation**

Material	Nominal Diameter	Nominal Wall Thickness	Min. Average Wall Thickness
PVC - Polyvinyl Chloride	0.069 in	0.016 in	0.015 in

**Outer Jacket Material**

Material
No Jacket

**Electrical Characteristics**

**Conductor DCR**

Nominal Conductor DCR
9.4 Ohm/1000ft

**Voltage**

Non-UL Voltage Rating	UL Voltage Rating
300 V	300 V

Other Electrical Characteristic 2:	Return Loss tested in accordance with ASTM D 4566 - 05 paragraph 50.3, using a 75 Ohm fixed bridge and termination.
------------------------------------	---

**Temperature Range**

Non-UL Temp Rating:	105°C
UL Temp Rating:	105°C

**Mechanical Characteristics**

Bulk Cable Weight:	5 lbs/1000ft
Min Bend Radius During Installation:	6 in

**Standards**

UL Rating:	300V RMS, 80°C and 300V, 105°C
UL AWM Style:	UL Style 1007 (300 V 80°C), UL Style 1569 (300 V 105°C)
CSA Rating:	300V RMS, 90°C and 300V, 105°C
CSA AWM Specification:	TRSR-64

CSA Type:	TRSR-64
Military Specification:	N/A

## 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 II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

## Suitability

Suitability - Outdoor:	No
------------------------	----

## Flammability, LSOH, Toxicity Testing

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

## Plenum/Non-Plenum

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

## Part Number

### Variants

Item #	Color	UPC	Length	Footnote
9919 010100	Black	612825262695	100 ft	
9919 0101000	Black	612825262701	1,000 ft	P
9919 013100	Blue, Dark	612825262718	100 ft	
9919 0131000	Blue, Dark	612825262725	1,000 ft	P
9919 001100	Brown	612825262558	100 ft	
9919 0011000	Brown	612825262565	1,000 ft	P
9919 0081000	Gray	612825262664	1,000 ft	P
9919 005100	Green, Dark	612825262626	100 ft	
9919 0051000	Green, Dark	612825262633	1,000 ft	P
9919 0031000	Orange	612825262596	1,000 ft	P
9919 002100	Red	612825262572	100 ft	
9919 0021000	Red	612825262589	1,000 ft	P
9919 007100	Violet	612825262640	100 ft	
9919 0071000	Violet	612825262657	1,000 ft	P
9919 009100	White	612825262671	100 ft	
9919 0091000	White	612825262688	1,000 ft	P
9919 004100	Yellow	612825262602	100 ft	
9919 0041000	Yellow	612825262619	1,000 ft	P

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'.
-----------	---

© 2019 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.