



**Product:** [9983](#)

Lead Wire, #22 Str TC, PVC Ins, AWM 1061

[Request Sample](#)

**Product Description**

Low Temp Plastic Lead Wire, 22AWG (7x30) Tinned Copper, PVC Insulation, AWM 1061 CSA AWM 300V 80C

**Technical Specifications**

**Product Overview**

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

**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	No. of Conductors
22	7x30	TC - Tinned Copper	1

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

**Insulation**

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.05 in	0.01 in

**Electrical Characteristics**

**Conductor DCR**

Nominal Conductor DCR	Nominal Outer Shield DCR
16.2 Ohm/1000ft	6.5 Ohm/km
6.5 Ohm/1000ft	
6.5 Ohm/1000ft	
6.5 Ohm/1000ft	

**High Frequency (Nominal/Typical)**

Nom. Insertion Loss
6.5 dB/100m

**Current**

Element	Max. Recommended Current [A]
Single conductor in free air @ 30C ambient	Single conductor in free air @ 30°C: 10 A

**Voltage**

UL Voltage Rating
300 V RMS

**Temperature Range**

Non-UL Temp Rating:	80°C
UL Temp Rating:	80°C
Operating Temp Range:	-20°C To +80°C

**Mechanical Characteristics**

Bulk Cable Weight:	3 lbs/1000ft
--------------------	--------------

## Standards

UL Rating:	300V RMS, 80°C
UL AWM Style Compliance:	UL AWM Style 1061
CSA Rating:	300V RMS, 80°C
CSA AWM Compliance:	CSA AWM I A/B
CSA Type:	AWM I, A/B
Military Compliance:	Mil-W-16878/4

## 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):	2005-10-01
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

## Plenum/Non-Plenum

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

## Part Number

### Variants

Item #	Color	Putup Type	Length	UPC
9983 010100	Black	Reel	100 ft	612825349921
9983 0101000	Black	Reel	1,000 ft	612825266815
9983 01010000	Black	Reel	10,000 ft	612825266822
9983 013100	Blue, Dark	Reel	100 ft	612825266853
9983 0131000	Blue, Dark	Reel	1,000 ft	612825266860
9983 001100	Brown	Reel	100 ft	612825266570
9983 0011000	Brown	Reel	1,000 ft	612825266587
9983 0081000	Gray	Reel	1,000 ft	612825266747
9983 005100	Green, Dark	Reel	100 ft	612825266693
9983 0051000	Green, Dark	Reel	1,000 ft	612825266709
9983 003100	Orange	Reel	100 ft	612825266648
9983 0031000	Orange	Reel	1,000 ft	612825266655
9983 002100	Red	Reel	100 ft	612825266617
9983 0021000	Red	Reel	1,000 ft	612825266624
9983 0071000	Violet	Reel	1,000 ft	612825266723
9983 009100	White	Reel	100 ft	612825266778
9983 0091000	White	Reel	1,000 ft	612825266785
9983 004100	Yellow	Reel	100 ft	612825266679
9983 0041000	Yellow	Reel	1,000 ft	612825266686

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'.
Footnote:	C - CRATE REEL PUT-UP.

## History

Update and Revision:	Revision Number: 0.327 Revision Date: 07-26-2020
----------------------	--

© 2020 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.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## Belden Wire & Cable:

[9983 0101000](#) [9983 010100](#) [9983 013100](#) [9983 0131000](#) [9983 0011000](#) [9983 005100](#) [9983 0051000](#) [9983 003100](#) [9983 0031000](#) [9983 002100](#) [9983 0021000](#) [9983 0071000](#) [9983 009100](#) [9983 0091000](#) [9983 004100](#)  
[9983 0041000](#) [9983 001100](#)