



**Product:** [9986](#) 

Lead Wire, #28 Str TC, PVC Ins, AWM 1061

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## Product Description

Low Temp Plastic Lead Wire, 28AWG (7x36) 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

### Construction Details

#### Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	1	28	7x36	TC - Tinned Copper

#### Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
PVC - Polyvinyl Chloride	0.01 in (0.25 mm)	0.035 in (0.89 mm)

Overall Cable Diameter (Nominal): 0.035 in (0.89 mm)

### Electrical Characteristics

#### Electricals

Nom. Conductor DCR	Max. Conductor DCR
	6.6 Ohm/1000ft
6.6 Ohm/1000ft (22 Ohm/km)	
6.6 Ohm/1000ft (22 Ohm/km)	

Nom Outer Shield DCR@Cond DCR1-cnvt: 6.6 Ohm/km (2.0 Ohm/1000ft)

#### Unbalanced Crosstalk

Typical Unbalanced FEXT %
6.7 MHz
6.6 MHz

#### High Frequency (Nominal/Typical)

Nom. Insertion Loss (Attenuation)
6.7 dB/100m
6.7 dB/100m

#### Voltage

UL Voltage Rating
300 V RMS

### Mechanical Characteristics

#### Temperature

UL Temperature	Operating

80°C	-20°C To +80°C
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#### Bend Radius

Stationary Min.	Installation Min.
0.14 in (3.6 mm)	0.14 in (3.6 mm)

Max. Pull Tension:	2.1 lbs (0.95 kg)
Bulk Cable Weight:	1 lbs/1000ft

#### Standards and Compliance

Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	VW-1
AWM Compliance:	AWM 1061, CSA AWM I A/B
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)

#### History

Update and Revision:	Revision Number: 0.474 Revision Date: 09-07-2025
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#### Part Numbers

#### Variants

Item #	Color	Putup Type	Length	UPC	Footnote
9986 010100	Black	Reel	100 ft	612825267454	
9986 0101000	Black	Reel	1,000 ft	612825267461	P
9986 0131000	Blue, Dark	Reel	1,000 ft	612825267478	P
9986 0011000	Brown	Reel	1,000 ft	612825267348	P
9986 0081000	Gray	Reel	1,000 ft	612825267423	P
9986 0051000	Green, Dark	Reel	1,000 ft	612825267409	P
9986 003100	Orange	Reel	100 ft	612825267379	
9986 0031000	Orange	Reel	1,000 ft	612825267386	P
9986 002100	Red	Reel	100 ft	612825267355	
9986 0021000	Red	Reel	1,000 ft	612825267362	P
9986 0071000	Violet	Reel	1,000 ft	612825267416	P
9986 009100	White	Reel	100 ft	612825267430	
9986 0091000	White	Reel	1,000 ft	612825267447	P
9986 0041000	Yellow	Reel	1,000 ft	612825267393	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'.
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