



Product: [9981](#) 

Lead Wire, #18 Str TC, PVC Ins, AWM 1061

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Product Description

Low Temp Plastic Lead Wire, 18AWG (19x30) 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
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	1	18	19x30	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
PVC - Polyvinyl Chloride	0.01 in (0.25 mm)	0.066 in (1.7 mm)
Overall Cable Diameter (Nominal):	0.066 in (1.7 mm)	

Electrical Characteristics

High Frequency (Nominal/Typical)

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

Voltage

UL Voltage Rating
300 V RMS

Mechanical Characteristics

Temperature

UL Temperature	Operating
80°C	-20°C To +80°C

Bend Radius

Stationary Min.	Installation Min.
0.27 in (6.9 mm)	0.27 in (6.9 mm)

Max. Pull Tension:	24.7 lbs (11.2 kg)
Bulk Cable Weight:	6.1 lbs/1000ft

Standards and Compliance

Flammability / Reaction to Fire:	VW-1
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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: 0.598 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
9981 010100	Black	Reel	100 ft	612825266365	
9981 0101000	Black	Reel	1,000 ft	612825266372	P
9981 013100	Blue, Dark	Reel	100 ft	612825266389	
9981 0131000	Blue, Dark	Reel	1,000 ft	612825266396	P
9981 001100	Brown	Reel	100 ft	612825266211	
9981 0011000	Brown	Reel	1,000 ft	612825266228	P
9981 0081000	Gray	Reel	1,000 ft	612825266334	
9981 005100	Green, Dark	Reel	100 ft	612825266297	
9981 0051000	Green, Dark	Reel	1,000 ft	612825266303	P
9981 003100	Orange	Reel	100 ft	612825266259	
9981 0031000	Orange	Reel	1,000 ft	612825266266	P
9981 002100	Red	Reel	100 ft	612825266235	
9981 0021000	Red	Reel	1,000 ft	612825266242	P
9981 007100	Violet	Reel	100 ft	612825266310	
9981 0071000	Violet	Reel	1,000 ft	612825266327	P
9981 009100	White	Reel	100 ft	612825266341	
9981 0091000	White	Reel	1,000 ft	612825266358	P
9981 004100	Yellow	Reel	100 ft	612825266273	
9981 0041000	Yellow	Reel	1,000 ft	612825266280	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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