Belden

Product: 9981

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

Request Sample

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

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

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

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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