Belden

Product: 9921

Lead Wire, #22 Str TC, PVC Ins, AWM 1007 AWM 1569

Request Sample

Product Description

Low Temp Plastic Lead Wire, 22AWG (7x30) Tinned Copper, PVC Insulation, AWM 1007 AWM 1569 CSA TYPE TR-64 TRSR-64

Technical Specifications

Product Overview

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

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	1	22 AWG	7x30	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	0.062 in (1.6 mm)

Overall Cable Diameter (Nominal):	0.062 in (1.6 mm)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
18.1 Ohm/1000ft	Single conductor in free air @ 30ºC: 11 A

Unbalanced Crosstalk

Typical Unbalanced FEXT %
6.2 MHz

High Frequency (Nominal/Typical)

Nom. Insertion Loss (Attenuation)
6.2 dB/100m
6.1 dB/100m

Voltage

UL Voltage Rating
300 V RMS

Mechanical Characteristics

Temperature

UL Temperature	Operating
105°C	-20°C To +105°C

Bend Radius

Stationary Min.	Installation Min.
0.62 in (16 mm)	0.62 in (16 mm)

Max. Pull Tension:	9 lbs (4.1 kg)
Bulk Cable Weight:	4 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	VW-1
AWM Compliance:	AWM 1007, AWM 1569
CEC / C(UL) Compliance:	TRSR-64
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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.512 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
9921 010100	Black	Reel	100 ft	612825263210	
9921 0101000	Black	Reel	1,000 ft	612825263227	P
9921 0105000	Black	Reel	5,000 ft	612825263234	C
9921 013100	Blue, Dark	Reel	100 ft	612825263258	
9921 0131000	Blue, Dark	Reel	1,000 ft	612825263265	P
9921 0135000	Blue, Dark	Reel	5,000 ft	612825263272	C
9921 006100	Blue, Light	Reel	100 ft	612825263098	
9921 0061000	Blue, Light	Reel	1,000 ft	612825263104	P
9921 001100	Brown	Reel	100 ft	612825262985	
9921 0011000	Brown	Reel	1,000 ft	612825262992	P
9921 008100	Gray	Reel	100 ft	612825263135	
9921 0081000	Gray	Reel	1,000 ft	612825263142	P
9921 0085000	Gray	Reel	5,000 ft	612825263159	C P
9921 005100	Green, Dark	Reel	100 ft	612825263074	
9921 0051000	Green, Dark	Reel	1,000 ft	612825263081	P
9921 003100	Orange	Reel	100 ft	612825263029	
9921 0031000	Orange	Reel	1,000 ft	612825263036	P
9921 002100	Red	Reel	100 ft	612825263005	
9921 0021000	Red	Reel	1,000 ft	612825349860	P
9921 0025000	Red	Reel	5,000 ft	612825349877	C P
9921 007100	Violet	Reel	100 ft	612825263111	
9921 0071000	Violet	Reel	1,000 ft	612825263128	P
9921 009100	White	Reel	100 ft	612825263173	
9921 0091000	White	Reel	1,000 ft	612825263180	P
9921 004100	Yellow	Reel	100 ft	612825263043	
9921 0041000	Yellow	Reel	1,000 ft	612825263050	P
9921 0045000	Yellow	Reel	5,000 ft	612825263067	C

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'., C - CRATE REEL PUT-UP.

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