



Product: [9921](#)

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

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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

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	Min. Average Wall Thickness
PVC - Polyvinyl Chloride	0.062 in	0.0165 in	0.015 in

Outer Jacket Material

Nominal Diameter
0.062 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
15.25 Ohm/1000ft	6.2 Ohm/km

High Frequency (Nominal/Typical)

Nom. Insertion Loss
6.2 dB/100m
6.1 dB/100m

Unbalanced Crosstalk

Typical Unbalanced FEXT %
6.2 MHz

Current

Element	Max. Recommended Current [A]
Single conductor in free air @ 30C ambient.	Single conductor in free air @ 30C ambient. 11 amps

Voltage

UL Voltage Rating
300 VRMS

Temperature Range

UL Temp Rating:	105°C
Operating Temp Range:	-20°C To +105°C

Mechanical Characteristics

Bulk Cable Weight:	3.5 lbs/1000ft
Min Bend Radius/Minor Axis:	6.25 in

Dimensions (WxHxD)

Length
6.25

Standards

UL Rating:	300V RMS, 80°C and 300V, 105°C
UL AWM Style:	UL Style 1007 (300 V 80°C), UL Style 1569 (300 V 105°C)
CSA Rating:	300V RMS, 105°C
CSA Type:	TRSR-64
Military Specification:	N/A

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
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
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Part Number

Variants

Item #	Color	Putup Type	Length	UPC
9921 010100	Black	Reel	100 ft	612825263210
9921 0101000	Black	Reel	1,000 ft	612825263227
9921 0105000	Black	Reel	5,000 ft	612825263234
9921 013100	Blue, Dark	Reel	100 ft	612825263258
9921 0131000	Blue, Dark	Reel	1,000 ft	612825263265
9921 0135000	Blue, Dark	Reel	5,000 ft	612825263272
9921 006100	Blue, Light	Reel	100 ft	612825263098
9921 0061000	Blue, Light	Reel	1,000 ft	612825263104
9921 001100	Brown	Reel	100 ft	612825262985
9921 0011000	Brown	Reel	1,000 ft	612825262992
9921 008100	Gray	Reel	100 ft	612825263135
9921 0081000	Gray	Reel	1,000 ft	612825263142
9921 0085000	Gray	Reel	5,000 ft	612825263159
9921 005100	Green, Dark	Reel	100 ft	612825263074
9921 0051000	Green, Dark	Reel	1,000 ft	612825263081
9921 003100	Orange	Reel	100 ft	612825263029
9921 0031000	Orange	Reel	1,000 ft	612825263036
9921 002100	Red	Reel	100 ft	612825263005
9921 0021000	Red	Reel	1,000 ft	612825349860

9921 0025000	Red	Reel	5,000 ft	612825349877
9921 007100	Violet	Reel	100 ft	612825263111
9921 0071000	Violet	Reel	1,000 ft	612825263128
9921 009100	White	Reel	100 ft	612825263173
9921 0091000	White	Reel	1,000 ft	612825263180
9921 004100	Yellow	Reel	100 ft	612825263043
9921 0041000	Yellow	Reel	1,000 ft	612825263050
9921 0045000	Yellow	Reel	5,000 ft	612825263067

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: 0.305 Revision Date: 04-28-2020
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