



**Part Number: 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
Conductor Size:	22 AWG

**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**

Material	Nominal Diameter
No Jacket	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
CA Prop 65 (CJ for Wire & Cable):	Yes
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	Footnote
9921 010100	Black	
9921 0101000	Black	P
9921 0105000	Black	C
9921 013100	Blue, Dark	
9921 0131000	Blue, Dark	P
9921 0135000	Blue, Dark	C
9921 006100	Blue, Light	
9921 0061000	Blue, Light	P
9921 001100	Brown	
9921 0011000	Brown	P
9921 008100	Gray	
9921 0081000	Gray	P
9921 0085000	Gray	C P
9921 005100	Green, Dark	
9921 0051000	Green, Dark	P
9921 003100	Orange	
9921 0031000	Orange	P

9921 002100	Red	
9921 0021000	Red	P
9921 0025000	Red	C P
9921 007100	Violet	
9921 0071000	Violet	P
9921 009100	White	
9921 0091000	White	P
9921 004100	Yellow	
9921 0041000	Yellow	P
9921 0045000	Yellow	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'.
Footnote:	C - CRATE REEL PUT-UP.

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