



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 |
|------------------------|---|

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 | 0.016 in | 0.015 in |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 16.2 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 @ 30°C: 11 A |

Voltage

| UL Voltage Rating |
|-------------------|
| 300 V RMS |

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 Compliance: | UL AWM Styles 1007, 1569 |
| CSA Rating: | 300V RMS, 105°C |
| CSA Type: | TRSR-64 |

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: | 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 |
|---------------|----|

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

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|----------------------|--|
| Update and Revision: | Revision Number: 0.331 Revision Date: 07-26-2020 |
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