



Product: [9919](#)

Lead Wire, #20 Str TC, PVC Ins, AWM 1007 AWM 1569

[Request Sample](#)

Product Description

Low Temp Plastic Lead Wire, 20AWG (7x28) 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 |
|-----|-----------|--------------------|-------------------|
| 20 | 7x28 | TC - Tinned Copper | 1 |

| | |
|------------------|---|
| Conductor Count: | 1 |
|------------------|---|

Insulation

| Material | Nominal Diameter | Nominal Wall Thickness | Min. Average Wall Thickness |
|--------------------------|------------------|------------------------|-----------------------------|
| PVC - Polyvinyl Chloride | 0.069 in | 0.016 in | 0.015 in |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 9.4 Ohm/1000ft |

Voltage

| Non-UL Voltage Rating | UL Voltage Rating |
|-----------------------|-------------------|
| 300 V | 300 V |

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|------------------------------------|---|
| Other Electrical Characteristic 2: | Return Loss tested in accordance with ASTM D 4566 - 05 paragraph 50.3, using a 75 Ohm fixed bridge and termination. |
|------------------------------------|---|

Temperature Range

| | |
|---------------------|-------|
| Non-UL Temp Rating: | 105°C |
| UL Temp Rating: | 105°C |

Mechanical Characteristics

| | |
|--------------------------------------|--------------|
| Bulk Cable Weight: | 5 lbs/1000ft |
| Min Bend Radius During Installation: | 6 in |

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, 90°C and 300V, 105°C |
| CSA AWM Specification: | TRSR-64 |
| 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): | 2005-04-01 |
| MII Order #39 (China RoHS): | Yes |

Suitability

| | |
|------------------------|----|
| Suitability - Outdoor: | No |
|------------------------|----|

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 |
|--------------|-------------|------------|----------|--------------|
| 9919 010100 | Black | Reel | 100 ft | 612825262695 |
| 9919 0101000 | Black | Reel | 1,000 ft | 612825262701 |
| 9919 013100 | Blue, Dark | Reel | 100 ft | 612825262718 |
| 9919 0131000 | Blue, Dark | Reel | 1,000 ft | 612825262725 |
| 9919 001100 | Brown | Reel | 100 ft | 612825262558 |
| 9919 0011000 | Brown | Reel | 1,000 ft | 612825262565 |
| 9919 0081000 | Gray | Reel | 1,000 ft | 612825262664 |
| 9919 005100 | Green, Dark | Reel | 100 ft | 612825262626 |
| 9919 0051000 | Green, Dark | Reel | 1,000 ft | 612825262633 |
| 9919 0031000 | Orange | Reel | 1,000 ft | 612825262596 |
| 9919 002100 | Red | Reel | 100 ft | 612825262572 |
| 9919 0021000 | Red | Reel | 1,000 ft | 612825262589 |
| 9919 007100 | Violet | Reel | 100 ft | 612825262640 |
| 9919 0071000 | Violet | Reel | 1,000 ft | 612825262657 |
| 9919 009100 | White | Reel | 100 ft | 612825262671 |
| 9919 0091000 | White | Reel | 1,000 ft | 612825262688 |
| 9919 004100 | Yellow | Reel | 100 ft | 612825262602 |
| 9919 0041000 | Yellow | Reel | 1,000 ft | 612825262619 |

| | |
|-----------|---|
| 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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History

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| Update and Revision: | Revision Number: 0.289 Revision Date: 04-28-2020 |
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