



Product: [9867](#)

Lead Wire, #20 Str TC, Conductive PO/PO Ins, PVC Jkt, AWM 3239

[Request Sample](#)

Product Description

Low Temp Plastic Lead Wire, 20AWG (7x28) Tinned Copper, Conductive PO/PO Insulation, PVC Outer Jacket, AWM 3239 80C

Technical Specifications

Product Overview

| | |
|------------------------|---------------------------------------------------------------------|
| Suitable Applications: | internal wiring of electronic equipments, high voltage applications |
|------------------------|---------------------------------------------------------------------|

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Conductors |
|-----|-----------|--------------------|-------------------|
| 20 | 7x28 | TC - Tinned Copper | 1 |

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

Insulation

| Material | Nominal Wall Thickness |
|-------------------|------------------------|
| PE - Polyethylene | 0.051 in |

| | |
|--------------|--------------------------------------------------|
| Table Notes: | .003 in. conductive polyethylene over stranding. |
|--------------|--------------------------------------------------|

Outer Jacket

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.201 in | 0.028 in |

Electrical Characteristics

High Frequency (Nominal/Typical)

| Nom. Insertion Loss |
|---------------------|
| 6 dB/100m |
| 6 dB/100m |
| 6 dB/100m |
| 6 dB/100m |

Unbalanced Crosstalk

| Typical Unbalanced NEXT % |
|---------------------------|
| 6 MHz |

Voltage

| Breakdown Voltage | Non-UL Description | Non-UL Voltage Rating | UL Voltage Rating |
|-------------------|--------------------|-----------------------|-------------------|
| 60,000 V (DC) | AC (60 Hertz) | 11,000 V RMS | 30,000 V DC |

Temperature Range

| | |
|------------------------------|----------------|
| UL Temp Rating: | 80°C |
| Operating Temperature Range: | -30°C To +80°C |

Mechanical Characteristics

| | |
|------------------------------|---------------|
| Bulk Cable Weight: | 19 lbs/1000ft |
| Max. Pull Tension: | 15 lbs |
| Min. Bend Radius/Minor Axis: | 3 in |

Standards

| | |
|--------------------------|----------|
| UL AWM Style Compliance: | AWM 3239 |
|--------------------------|----------|

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 2): | Yes |
| EU Directive 2012/19/EU (WEEE): | Yes |
| EU Directive 2015/863/EU (RoHS 2 amendment): | Yes |
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |
| EU CE Mark: | Yes |
| CA Prop 65: | Yes |
| MII Order #39 (China RoHS): | Yes |

Flammability, LSOH, Toxicity Testing

| | |
|--------------------|--------------|
| UL Flammability: | VW-1 |
| UL voltage rating: | 30,000 V RMS |

Plenum/Non-Plenum

| | |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Related Part Numbers

Variants

| Item # | Color | Put-Up Type | Length | UPC |
|-------------|-------|-------------|--------|--------------|
| 9867 002500 | Red | Reel | 500 ft | 612825259749 |

History

| | |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.400 Revision Date: 05-05-2023 |
|----------------------|--------------------------------------------------|

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