



Product: [8868](#)



Lead Wire, #22 Str TC, Conductive PO/PO Ins, PVC Jkt, 25kV

[Request Sample](#)

Product Description

Low Temp Plastic Lead Wire, 22AWG (7x30) Tinned Copper, Conductive PO/PO Insulation, PVC Outer Jacket, 25kV

Technical Specifications

Product Overview

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

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Conductors |
|-----|-----------|--------------------|-------------------|
| 22 | 7x30 | TC - Tinned Copper | 1 |

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

Insulation

| Material | Nominal Wall Thickness |
|-------------------|------------------------|
| PE - Polyethylene | 0.044 in |

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

Outer Jacket

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.15 in | 0.015 in |
| | 0.15 in | |

Electrical Characteristics

Voltage

| Breakdown Voltage | Non-UL Description | Non-UL Voltage Rating |
|-------------------|--------------------|-----------------------|
| 48,000 V (DC) | | 24,000 V DC |
| | AC (60 Hertz) | 9000 V RMS |

Temperature Range

| | |
|---------------------|------|
| Non-UL Temp Rating: | 80°C |
|---------------------|------|

Mechanical Characteristics

| | |
|---------------------------------|---------------|
| Bulk Cable Weight: | 10 lbs/1000ft |
| Minimum Minor Axis Bend Radius: | 2.25 in |

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, LS0H, Toxicity Testing

| | |
|--------------------|-----|
| UL voltage rating: | N/A |
|--------------------|-----|

Plenum/Non-Plenum

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

Related Part Numbers

Variants

| Item # | Color | Put-Up Type | Length | UPC |
|--------------|-------|-------------|--------|--------------|
| 8868 002500 | Red | Reel | 500 ft | 612825217138 |
| 8868 002U500 | Red | Reel | 500 ft | 612825217121 |

Product Notes

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|--------|--|
| Notes: | *This cable is recommended for applications in which the source is power limited so that if a cable failure occurs the source limits the energy transfer to a value of less than that required to raise the conductor temperature to 90°C. |
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History

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|----------------------|--|
| Update and Revision: | Revision Number: 0.387 Revision Date: 02-03-2025 |
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