



Product: [83049](#)

Lead Wire, #22 Str SPC, TFE Ins, AWM 1371

[Request Sample](#)

Product Description

High Temp Plastic Lead Wire, 22AWG (7x30) Silver Plated Copper, TFE Insulation, AWM 1371 105C TYPE ET MIL-W-16878/6 250V 200C

Technical Specifications

Product Overview

| | |
|------------------------|--|
| Suitable Applications: | high temperature, inter-connection circuits, internal wiring of computer and electronic equipments, (Type ET) MIL-W-16878/6 applications |
|------------------------|--|

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Conductors |
|-----|-----------|----------------------|-------------------|
| 22 | 7x30 | SC - Silvered Copper | 1 |

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

Insulation

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------------|------------------|------------------------|
| PTFE - Polytetrafluoroethylene | 0.042 in | 0.006 in |

Electrical Characteristics

Current

| Max. Recommended Current [A] |
|--|
| Mil-Std-975M Table 3.16 (single wire): 4.5 A |

Voltage

| UL Voltage Rating |
|-------------------|
| 250 V RMS |

Temperature Range

| | |
|---------------------|-------|
| Non-UL Temp Rating: | 200°C |
| UL Temp Rating: | 105°C |

Mechanical Characteristics

| | |
|------------------------------|--------------|
| Bulk Cable Weight: | 3 lbs/1000ft |
| Min. Bend Radius/Minor Axis: | 0.17 in |

Standards

| | |
|--------------------------|-------------------|
| UL AWM Style Compliance: | UL AWM Style 1371 |
| NEMA Compliance: | HP3 |
| Military Compliance: | MIL-W-16878/6 |

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: | 600 V RMS |

Plenum/Non-Plenum

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

Part Number

Variants

| Item # | Color | Put-Up Type | Length | UPC |
|---------------|-------------|-------------|----------|--------------|
| 83049 010100 | Black | Reel | 100 ft | |
| 83049 0101000 | Black | Reel | 1,000 ft | 612825354925 |
| 83049 006100 | Blue, Light | Reel | 100 ft | |
| 83049 0061000 | Blue, Light | Reel | 1,000 ft | |
| 83049 0011000 | Brown | | | |
| 83049 001100 | Brown | Reel | 100 ft | |
| 83049 008100 | Gray | | | |
| 83049 0081000 | Gray | Reel | 1,000 ft | 612825399698 |
| 83049 005100 | Green, Dark | | | |
| 83049 003100 | Orange | Reel | 100 ft | |
| 83049 0031000 | Orange | Reel | 1,000 ft | |
| 83049 002100 | Red | Reel | 100 ft | |
| 83049 0021000 | Red | Reel | 1,000 ft | 612825353836 |
| 83049 007100 | Violet | Reel | 100 ft | |
| 83049 009100 | White | Reel | 100 ft | |
| 83049 0091000 | White | Reel | 1,000 ft | 612825399704 |
| 83049 004100 | Yellow | Reel | 100 ft | |
| 83049 0041000 | Yellow | Reel | 1,000 ft | |

| | |
|-----------|--|
| Footnote: | E - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 25'. S - STRIPING ADDERS FOR TYPES E AND EE: 1, 2, 3 STRIPES. MINIMUM ORDER 10,000' PER STRIPE COMBINATION. (SEE STRIPING ADDER TABLE) |
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History

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| Update and Revision: | Revision Number: 0.353 Revision Date: 08-27-2021 |
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