



**Product:** [83047](#)

Lead Wire, #24 Str SPC, TFE Ins, AWM 1371

[Request Sample](#)

### Product Description

High Temp Plastic Lead Wire, 24AWG (7x32) 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 |
|-----|-----------|----------------------|-------------------|
| 24  | 7x32      | SC - Silvered Copper | 1                 |

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

##### Insulation

| Material                       | Nominal Diameter | Nominal Wall Thickness |
|--------------------------------|------------------|------------------------|
| PTFE - Polytetrafluoroethylene | 0.036 in         | 0.006 in               |

#### Electrical Characteristics

##### Current

|  |
|--|
| <b>Max. Recommended Current [A]</b>          |
| Mil-Std-975M Table 3.16 (single wire): 3.3 A |

##### Voltage

|                          |
|--------------------------|
| <b>UL Voltage Rating</b> |
| 250 V RMS                |

#### Temperature Range

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

#### Mechanical Characteristics

|                              |                |
|------------------------------|----------------|
| Bulk Cable Weight:           | 2.4 lbs/1000ft |
| Min. Bend Radius/Minor Axis: | 0.15 in        |

#### Standards

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

## Related Part Numbers

### Variants

| Item #        | Color | Put-Up Type | Length   | UPC          |
|---------------|-------|-------------|----------|--------------|
| 83047 0101000 | Black | Reel        | 1,000 ft | 612825353812 |
| 83047 0081000 | Gray  | Reel        | 1,000 ft | 612825399681 |
| 83047 0021000 | Red   | Reel        | 1,000 ft |              |
| 83047 0091000 | White | 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)

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.360 Revision Date: 05-05-2023 |
|----------------------|--|

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