



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

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