



Product: [83041](#)

Lead Wire, #32 Str SPC, TFE Ins, AWM 1371

Request Sample

**Product Description**  
High Temp Plastic Lead Wire, 32AWG (7x40) 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 |
| 32               | 7x40      | SC - Silvered Copper | 1                 |
| Conductor Count: |           | 1                    |                   |

| Insulation                     |                        |
|--------------------------------|------------------------|
| Material                       | Nominal Wall Thickness |
| PTFE - Polytetrafluoroethylene | 0.0065 in              |

Electrical Characteristics

| 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:           | 0.500 lbs/1000ft |
| Min. Bend Radius/Minor Axis: | 0.09 in          |

Standards

|                          |               |
|--------------------------|---------------|
| UL AWM Style Compliance: | AWM 1371      |
| 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   |
|---------------|-------------|-------------|----------|
| 83041 010100  | Black       | Reel        | 100 ft   |
| 83041 0101000 | Black       | Reel        | 1,000 ft |
| 83041 0061000 | Blue, Light | Reel        | 1,000 ft |
| 83041 007100  | Violet      | Reel        | 100 ft   |
| 83041 0071000 | Violet      | Reel        | 1,000 ft |

|           |                                                                            |
|-----------|----------------------------------------------------------------------------|
| Footnote: | E - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 25'. |
|-----------|----------------------------------------------------------------------------|

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.358 Revision Date: 05-05-2023 |
|----------------------|--------------------------------------------------|

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