



Product: [83002](#)

Lead Wire, #26 Str SPC, TFE Ins, AWM 1213

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### Product Description

High Temp Plastic Lead Wire, 26AWG (7x34) Silver Plated Copper, TFE Insulation, AWM 1213 105C TYPE E MIL-W-16878/4 600V 200C

### Technical Specifications

#### Product Overview

|                        |   |
|------------------------|---|
| Suitable Applications: | high temperature, inter-connection circuits, internal wiring of computer and electronic equipments, (Type E) MIL-W-16878/4 applications |
|------------------------|---|

#### Construction Details

##### Conductor

| Element      | No. of Elements | Size   | Stranding | Material             |
|--------------|-----------------|--------|-----------|----------------------|
| Conductor(s) | 1               | 26 AWG | 7x34      | SC - Silvered Copper |

##### Insulation

| Material                       | Nom. Thickness    | Nom. Insulation Diameter |
|--------------------------------|-------------------|--------------------------|
| PTFE - Polytetrafluoroethylene | 0.01 in (0.25 mm) | 0.039 in (0.99 mm)       |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.039 in (0.99 mm) |
|-----------------------------------|--------------------|

#### Electrical Characteristics

##### Electricals

| Nom. Conductor DCR | Max. Current                                 |
|--------------------|--|
| 37.5 Ohm/1000ft    | Mil-Std-975M Table 3.16 (single wire): 2.5 A |

##### Voltage

| UL Voltage Rating |
|-------------------|
| 600 V RMS         |

#### Mechanical Characteristics

##### Temperature

| UL Temperature | Operating       |
|----------------|-----------------|
| 200°C          | -70°C To +200°C |

##### Bend Radius

| Stationary Min.  | Installation Min. |
|------------------|-------------------|
| 0.39 in (9.9 mm) | 0.39 in (9.9 mm)  |

|                    |                |
|--------------------|----------------|
| Max. Pull Tension: | 5 lbs (2.3 kg) |
| Bulk Cable Weight: | 2 lbs/1000ft   |

#### Standards and Compliance

|                                  |                 |
|----------------------------------|-----------------|
| Environmental Suitability:       | Indoor, Outdoor |
| Sustainability:                  | CA Prop 65      |
| Flammability / Reaction to Fire: | VW-1            |
| AWM Compliance:                  | AWM 1213        |

|                                |   |
|--------------------------------|---|
| NEMA Compliance:               | HP3   |
| Military Compliance:           | MIL-W-16878/4   |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.482 Revision Date: 01-20-2023 |
|----------------------|--|

## Part Numbers

### Variants

| Item #        | Color       | Putup Type | Length   | UPC          | Footnote |
|---------------|-------------|------------|----------|--------------|----------|
| 83002 010100  | Black       | Reel       | 100 ft   | 612825354864 | E        |
| 83002 0101000 | Black       | Reel       | 1,000 ft | 612825353850 | E        |
| 83002 006100  | Blue, Light | Reel       | 100 ft   | 612825353874 | E        |
| 83002 0061000 | Blue, Light | Reel       | 1,000 ft | 612825399223 | E S      |
| 83002 001100  | Brown       | Reel       | 100 ft   |              | E        |
| 83002 0011000 | Brown       | Reel       | 1,000 ft | 612825353911 | E S      |
| 83002 008100  | Gray        | Reel       | 100 ft   |              | E        |
| 83002 0081000 | Gray        | Reel       | 1,000 ft | 612825399230 | E S      |
| 83002 005100  | Green, Dark | Reel       | 100 ft   |              | E        |
| 83002 0051000 | Green, Dark | Reel       | 1,000 ft |              | E S      |
| 83002 003100  | Orange      | Reel       | 100 ft   | 612825353898 | E        |
| 83002 0031000 | Orange      | Reel       | 1,000 ft |              | E S      |
| 83002 002100  | Red         | Reel       | 100 ft   | 612825354895 | E        |
| 83002 0021000 | Red         | Reel       | 1,000 ft | 612825353904 |          |
| 83002 007100  | Violet      | Reel       | 100 ft   |              | E        |
| 83002 0071000 | Violet      | Reel       | 1,000 ft |              | E        |
| 83002 009100  | White       | Reel       | 100 ft   |              | E        |
| 83002 0091000 | White       | Reel       | 1,000 ft | 612825353867 |          |
| 83002 004100  | Yellow      | Reel       | 100 ft   |              | E        |
| 83002 0041000 | Yellow      | Reel       | 1,000 ft | 612825399216 | E S      |

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