



**Product:** [83026](#)

Lead Wire, #22 Str SPC, TFE Ins, AWM 1180

[Request Sample](#)

**Product Description**

High Temp Plastic Lead Wire, 22AWG (19x34) Silver Plated Copper, TFE Insulation, AWM 1180 300V 200C TYPE EE MIL-W-16878/5 1000V 200C

**Technical Specifications**

**Product Overview**

|                        |  |
|------------------------|--|
| Suitable Applications: | high temperature, inter-connection circuits, internal wiring of computer and electronic equipments, (Type EE) MIL-W-16878/5 applications |
|------------------------|--|

**Physical Characteristics (Overall)**

**Conductor**

| AWG | Stranding | Material             | No. of Conductors |
|-----|-----------|----------------------|-------------------|
| 22  | 19x34     | SC - Silvered Copper | 1                 |

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

**Insulation**

| Material                       | Nominal Diameter | Nominal Wall Thickness |
|--------------------------------|------------------|------------------------|
| PTFE - Polytetrafluoroethylene | 0.06 in          | 0.015 in               |

**Electrical Characteristics**

**Conductor DCR**

| Nominal Conductor DCR |
|-----------------------|
| 15.75 Ohm/1000ft      |

**Current**

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

**Voltage**

| UL Description | UL Voltage Rating |
|----------------|-------------------|
| UL AWM 1180    | 300 V RMS         |
| Mil-W-16878/5  | 1000 V RMS        |

**Temperature Range**

|                       |                 |
|-----------------------|-----------------|
| Non-UL Temp Rating:   | 200°C           |
| UL Temp Rating:       | 200°C           |
| Operating Temp Range: | -70°C To +200°C |

**Mechanical Characteristics**

|                             |              |
|-----------------------------|--------------|
| Bulk Cable Weight:          | 4 lbs/1000ft |
| Min Bend Radius/Minor Axis: | 0.24 in      |

**Standards**

|                          |                   |
|--------------------------|-------------------|
| UL AWM Style Compliance: | UL AWM Style 1180 |
|--------------------------|-------------------|

|                      |               |
|----------------------|---------------|
| NEMA Compliance:     | HP3           |
| Military Compliance: | MIL-W-16878/5 |

## 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 II):    | Yes                           |
| EU Directive 2012/19/EU (WEEE):       | Yes                           |
| EU Directive 2015/863/EU:             | Yes                           |
| EU Directive Compliance:              | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                           | Yes                           |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2005-04-01                    |
| CA Prop 65:                           | Yes                           |
| MII Order #39 (China RoHS):           | Yes                           |

## Flammability, LSOH, Toxicity Testing

|                    |           |
|--------------------|-----------|
| UL Flammability:   | VW-1      |
| UL voltage rating: | 300 V RMS |

## Plenum/Non-Plenum

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

## Part Number

### Variants

| Item #        | Color       | Putup Type | Length   | UPC          |
|---------------|-------------|------------|----------|--------------|
| 83026 010500  | Black       |            |          |              |
| 83026 010100  | Black       | Reel       | 100 ft   | 612825354710 |
| 83026 0101000 | Black       | Reel       | 1,000 ft | 612825399506 |
| 83026 006100  | Blue, Light |            |          |              |
| 83026 0061000 | Blue, Light | Reel       | 1,000 ft |              |
| 83026 001100  | Brown       | Reel       | 100 ft   |              |
| 83026 0011000 | Brown       | Reel       | 1,000 ft |              |
| 83026 008100  | Gray        |            |          | 612825353799 |
| 83026 0081000 | Gray        | Reel       | 1,000 ft |              |
| 83026 005100  | Green, Dark | Reel       | 100 ft   |              |
| 83026 0051000 | Green, Dark | Reel       | 1,000 ft | 612825353744 |
| 83026 003100  | Orange      | Reel       | 100 ft   |              |
| 83026 0031000 | Orange      | Reel       | 1,000 ft |              |
| 83026 002100  | Red         | Reel       | 100 ft   |              |
| 83026 0021000 | Red         | Reel       | 1,000 ft | 612825353782 |
| 83026 007100  | Violet      | Reel       | 100 ft   |              |
| 83026 0071000 | Violet      | Reel       | 1,000 ft |              |
| 83026 009100  | White       | Reel       | 100 ft   |              |
| 83026 0091000 | White       | Reel       | 1,000 ft | 612825353805 |
| 83026 004100  | Yellow      | Reel       | 100 ft   |              |
| 83026 0041000 | Yellow      | Reel       | 1,000 ft | 612825399490 |

|           |   |
|-----------|---|
| Footnote: | E - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 25'.  |
| Footnote: | 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: 0.317 Revision Date: 11-17-2020 |
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