



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 |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------|

Construction Details

Conductor

| Element      | No. of Elements | Size   | Stranding | Material             |
|--------------|-----------------|--------|-----------|----------------------|
| Conductor(s) | 1               | 22 AWG | 19x34     | SC - Silvered Copper |

Insulation

| Material                       | Nom. Thickness     | Nom. Insulation Diameter |
|--------------------------------|--------------------|--------------------------|
| PTFE - Polytetrafluoroethylene | 0.015 in (0.38 mm) | 0.06 in (1.5 mm)         |

|                                   |                  |
|-----------------------------------|------------------|
| Overall Cable Diameter (Nominal): | 0.06 in (1.5 mm) |
|-----------------------------------|------------------|

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Max. Current                                 |
|--------------------|----------------------------------------------|
| 15.75 Ohm/1000ft   | Mil-Std-975M Table 3.16 (single wire): 4.5 A |

Voltage

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

Mechanical Characteristics

Temperature

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

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 0.6 in (15 mm)  | 0.6 in (15 mm)    |

|                    |                 |
|--------------------|-----------------|
| Max. Pull Tension: | 11 lbs (5.0 kg) |
| Bulk Cable Weight: | 4 lbs/1000ft    |

Standards and Compliance

|                                  |                 |
|----------------------------------|-----------------|
| Environmental Suitability:       | Indoor, Outdoor |
| Sustainability:                  | CA Prop 65      |
| Flammability / Reaction to Fire: | VW-1            |
| AWM Compliance:                  | AWM 1180        |

|                                |                                                                                                                           |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| NEMA Compliance:               | HP3                                                                                                                       |
| Military Compliance:           | MIL-W-16878/5                                                                                                             |
| 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: 0.486 Revision Date: 07-03-2024 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

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

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