



Product: [83026](#) 

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

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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

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| Update and Revision: | Revision Number: 0.489 Revision Date: 02-20-2026 |
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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 |

| | |
|-----------|--|
| 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) |
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