



Product: [83025](#)

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

Request Sample

### Product Description

High Temp Plastic Lead Wire, 22AWG (7x30) 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   | 7x30      | 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): | 0.060 in (1.5 mm) |
|-----------------------------------|-------------------|

#### Electrical Characteristics

##### Electricals

| Max. Current                                 |
|--|
| 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 |
|----------------|
| 200°C          |

##### Bend Radius

| Stationary Min.  | Installation Min. |
|------------------|-------------------|
| 0.24 in (6.1 mm) | 0.24 in (6.1 mm)  |

|                    |                  |
|--------------------|------------------|
| Max. Pull Tension: | 9.1 lbs (4.1 kg) |
| Bulk Cable Weight: | 4.3 lbs/1000ft   |

#### Standards and Compliance

|                                  |            |
|----------------------------------|------------|
| 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: 0.453 Revision Date: 07-03-2024 |
|----------------------|--|

## Part Numbers

### Variants

| Item #        | Color       | Putup Type | Length   | UPC          | Footnote |
|---------------|-------------|------------|----------|--------------|----------|
| 83025 010100  | Black       | Reel       | 100 ft   | 612825354741 | E        |
| 83025 0101000 | Black       | Reel       | 1,000 ft | 612825399483 | E S      |
| 83025 006100  | Blue, Light |            |          |              | E        |
| 83025 0061000 | Blue, Light | Reel       | 1,000 ft | 612825353775 | E S      |
| 83025 0011000 | Brown       |            |          | 612825399476 | E S      |
| 83025 001100  | Brown       | Reel       | 100 ft   |              | E        |
| 83025 0051000 | Green, Dark |            |          |              | E S      |
| 83025 005100  | Green, Dark | Reel       | 100 ft   |              | E        |
| 83025 003100  | Orange      | Reel       | 100 ft   |              | E        |
| 83025 0031000 | Orange      | Reel       | 1,000 ft |              | E S      |
| 83025 002100  | Red         |            |          | 612825353843 | E        |
| 83025 0021000 | Red         | Reel       | 1,000 ft | 612825354734 | E S      |
| 83025 0071000 | Violet      |            |          |              | E S      |
| 83025 009100  | White       | Reel       | 100 ft   | 612825353768 | E        |
| 83025 0091000 | White       | Reel       | 1,000 ft | 612825353751 | E S      |
| 83025 0041000 | Yellow      |            |          |              | E S      |
| 83025 004100  | Yellow      | Reel       | 100 ft   |              | E        |

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