



Product: [83003](#)

Lead Wire, #24 Str SPC, TFE Ins, AWM 1213

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Product Description

High Temp Plastic Lead Wire, 24AWG (19x36) 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 | Number of Element | Size | Stranding | Material |
|--------------|-------------------|--------|-----------|----------------------|
| Conductor(s) | 1 | 24 AWG | 19x36 | SC - Silvered Copper |

Insulation

| Material | Nom. Thickness | Nom. Insulation Diameter |
|--------------------------------|-------------------|--------------------------|
| PTFE - Polytetrafluoroethylene | 0.01 in (0.25 mm) | 0.044 in (1.1 mm) |

| | |
|-----------------------------------|-------------------|
| Overall Cable Diameter (Nominal): | 0.044 in (1.1 mm) |
|-----------------------------------|-------------------|

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Max. Current |
|--------------------|--|
| 24 Ohm/1000ft | Mil-Std-975M Table 3.16 (single wire): 3.3 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. |
|-----------------|-------------------|
| 0.44 in (11 mm) | 0.44 in (11 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 |

| | |
|--------------------------------|---|
| 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: 0.450 Revision Date: 06-30-2022 |
|----------------------|--|

Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC |
|---------------|-------------|------------|----------|--------------|
| 83003 010100 | Black | Reel | 100 ft | 612825354857 |
| 83003 010500 | Black | Reel | 500 ft | |
| 83003 0101000 | Black | Reel | 1,000 ft | 612825353881 |
| 83003 006100 | Blue, Light | Reel | 100 ft | |
| 83003 006500 | Blue, Light | Reel | 500 ft | |
| 83003 0061000 | Blue, Light | Reel | 1,000 ft | |
| 83003 001100 | Brown | Reel | 100 ft | |
| 83003 0011000 | Brown | Reel | 1,000 ft | 612825399247 |
| 83003 008100 | Gray | Reel | 100 ft | |
| 83003 0081000 | Gray | Reel | 1,000 ft | 612825399285 |
| 83003 005100 | Green, Dark | Reel | 100 ft | |
| 83003 005500 | Green, Dark | Reel | 500 ft | |
| 83003 0051000 | Green, Dark | Reel | 1,000 ft | 612825399278 |
| 83003 003100 | Orange | Reel | 100 ft | |
| 83003 003500 | Orange | Reel | 500 ft | |
| 83003 0031000 | Orange | Reel | 1,000 ft | 612825399254 |
| 83003 002500 | Red | | | |
| 83003 002100 | Red | Reel | 100 ft | |
| 83003 0021000 | Red | Reel | 1,000 ft | 612825378327 |
| 83003 007100 | Violet | Reel | 100 ft | |
| 83003 0071000 | Violet | Reel | 1,000 ft | |
| 83003 009500 | White | | | |
| 83003 009100 | White | Reel | 100 ft | 612825354840 |
| 83003 0091000 | White | Reel | 1,000 ft | 612825378334 |
| 83003 004500 | Yellow | | | |
| 83003 004100 | Yellow | Reel | 100 ft | |
| 83003 0041000 | Yellow | Reel | 1,000 ft | 612825399261 |

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