



Product: [83010](#)

Lead Wire, #16 Str SPC, TFE Ins, AWM 1371 105C TYPE E

[Request Sample](#)

Product Description

High Temp Plastic Lead Wire, 16AWG (19x29) Silver Plated Copper, TFE Insulation, AWM 1371 105C TYPE E MIL-W-16878/4 600V 200C

Technical Specifications

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Conductors |
|-----|-----------|----------------------|-------------------|
| 16 | 19x29 | SC - Silvered Copper | 1 |

Conductor Count: 1

Insulation

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------------|------------------|------------------------|
| PTFE - Polytetrafluoroethylene | 0.076 in | 0.01 in |

Outer Jacket Material

| Nominal Diameter |
|------------------|
| 0.077 in |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 4 Ohm/1000ft |

Current

| Element | Max. Recommended Current [A] |
|---------------------------------------|--|
| Mil-Std-975M Table 3.16 (single wire) | Mil-Std-975M Table 3.16 (single wire): 13 amps |

Voltage

| Description | Voltage Rating [V] |
|---------------|-------------------------|
| Mil-W-16878/4 | 600 V RMS Mil-W-16878/4 |

Temperature Range

| | |
|-----------------------|-----------------|
| UL Temp Rating: | 105°C |
| Operating Temp Range: | -70°C To +200°C |

Mechanical Characteristics

| | |
|--------------------|---------------|
| Bulk Cable Weight: | 10 lbs/1000ft |
|--------------------|---------------|

Standards

| | |
|-------------------------|--|
| UL AWM Style: | 1371 |
| Military Specification: | NEMA HP3, MIL-W-16878/4 (Except For Stranding) |

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 |
| MII Order #39 (China RoHS): | Yes |

Flammability, LS0H, Toxicity Testing

| | |
|--------------------|-----------|
| UL Flammability: | VW-1 |
| UL voltage rating: | 600 V RMS |

Plenum/Non-Plenum

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

Part Number

Variants

| Item # | Color | Putup Type | Length | UPC |
|---------------|-------------|------------|----------|--------------|
| 83010 010100 | Black | Reel | 100 ft | 612825354246 |
| 83010 010500 | Black | Reel | 500 ft | 612825354642 |
| 83010 0101000 | Black | Reel | 1,000 ft | 612825378419 |
| 83010 006500 | Blue, Light | | | 612825354703 |
| 83010 006100 | Blue, Light | Reel | 100 ft | |
| 83010 0061000 | Blue, Light | Reel | 1,000 ft | 612825399445 |
| 83010 001100 | Brown | Reel | 100 ft | |
| 83010 001500 | Brown | Reel | 500 ft | 612825354680 |
| 83010 0011000 | Brown | Reel | 1,000 ft | 612825353973 |
| 83010 008500 | Gray | | | |
| 83010 008100 | Gray | Reel | 100 ft | |
| 83010 005100 | Green, Dark | Reel | 100 ft | 612825354260 |
| 83010 005500 | Green, Dark | Reel | 500 ft | |
| 83010 0051000 | Green, Dark | Reel | 1,000 ft | 612825353959 |
| 83010 003100 | Orange | Reel | 100 ft | |
| 83010 003500 | Orange | Reel | 500 ft | 612825353966 |
| 83010 002100 | Red | Reel | 100 ft | 612825354253 |
| 83010 002500 | Red | Reel | 500 ft | 612825354697 |
| 83010 0021000 | Red | Reel | 1,000 ft | 612825354659 |
| 83010 007100 | Violet | Reel | 100 ft | 612825353942 |
| 83010 007500 | Violet | Reel | 500 ft | 612825353935 |
| 83010 009500 | White | | | |
| 83010 009100 | White | Reel | 100 ft | 612825354444 |
| 83010 0091000 | White | Reel | 1,000 ft | 612825354673 |
| 83010 004100 | Yellow | Reel | 100 ft | 612825353928 |
| 83010 004500 | Yellow | Reel | 500 ft | |
| 83010 0041000 | Yellow | Reel | 1,000 ft | 612825354666 |

| | |
|-----------|---|
| Footnote: | S - STRIPING ADDERS FOR TYPES E AND EE: 1, 2, 3 STRIPES. MINIMUM ORDER 10,000' PER STRIPE COMBINATION. (SEE STRIPING ADDER TABLE) |
| Footnote: | W - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 75'. |
| Footnote: | Z - FINAL PUT-UP MAY VARY (= OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN. |

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.285 Revision Date: 04-28-2020 |
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- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



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