



Product: [83010](#)

Lead Wire, #16 Str SPC, TFE Ins, AWM 1371

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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

Product Overview

Suitable Applications:	high temperature, inter-connection circuits, internal wiring of computer and electronic equipments, (Type E) MIL-W-16878/4 applications
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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

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

UL Voltage Rating
600 V RMS

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	10 lbs/1000ft
Min Bend Radius/Minor Axis:	0.31 in

Standards

UL AWM Style Compliance:	UL AWM Style 1371
NEMA Compliance:	HP3
Military Compliance:	MIL-W-16878/4

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
CA Prop 65:	Yes
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
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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: 0.312 Revision Date: 11-17-2020
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