



Part Number: 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	SCC - Silver-coated Copper	1

Conductor Count: 1

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
TFE - Tetrafluoroethylene	0.076 in	0.01 in

Outer Jacket Material

Material	Nominal Diameter
No Jacket	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
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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
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

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

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: 0.276 Revision Date: 08-22-2019
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