



Product: <u>83010</u> ☑

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

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
ondu	uctor 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

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Part Number

Variants

Black	Reel	100 ft	612825354246
Black	Reel	500 ft	612825354642
Black	Reel	1,000 ft	612825378419
Blue, Light			612825354703
Blue, Light	Reel	100 ft	
Blue, Light	Reel	1,000 ft	612825399445
Brown	Reel	100 ft	
Brown	Reel	500 ft	612825354680
Brown	Reel	1,000 ft	612825353973
Gray			
Gray	Reel	100 ft	
Green, Dark	Reel	100 ft	612825354260
Green, Dark	Reel	500 ft	
Green, Dark	Reel	1,000 ft	612825353959
Orange	Reel	100 ft	
Orange	Reel	500 ft	612825353966
Red	Reel	100 ft	612825354253
Red	Reel	500 ft	612825354697
Red	Reel	1,000 ft	612825354659
Violet	Reel	100 ft	612825353942
Violet	Reel	500 ft	612825353935
White			
White	Reel	100 ft	612825354444
White	Reel	1,000 ft	612825354673
Yellow	Reel	100 ft	612825353928
Yellow	Reel	500 ft	
Yellow	Reel	1,000 ft	612825354666
	Black Blue, Light Blue, Light Blue, Light Brown Brown Brown Gray Gray Green, Dark Green, Dark Orange Red Red Red Red Violet Violet White White Wellow Yellow	Black Reel Blue, Light Reel Blue, Light Reel Blue, Light Reel Brown Reel Brown Reel Brown Reel Gray Reel Gray Reel Green, Dark Reel Green, Dark Reel Orange Reel Red Reel Red Reel Red Reel Red Reel White Reel White Reel Yellow Reel	Black Reel 1,000 ft Blue, Light Reel 100 ft Blue, Light Reel 1,000 ft Brown Reel 100 ft Brown Reel 500 ft Brown Reel 1,000 ft Gray Reel 100 ft Gray Reel 100 ft Green, Dark Reel 100 ft Green, Dark Reel 100 ft Green, Dark Reel 500 ft Green, Dark Reel 100 ft Green, Dark Reel 100 ft Crange Reel 100 ft Corange Reel 100 ft Red Reel 500 ft Red Reel 100 ft Red Reel 100 ft Violet Reel 100 ft White Reel 100 ft White Reel 100 ft Yellow Reel 100 ft

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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