




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	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
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: 0.277 Revision Date: 12-19-2019
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Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.