



Product: [83010](#)

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

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

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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Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Conductor(s)	1	16 AWG	19x29	SC - Silvered Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
PTFE - Polytetrafluoroethylene	0.01 in (0.25 mm)	0.076 in (1.9 mm)

Overall Cable Diameter (Nominal):	0.076 in (1.9 mm)
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
4 Ohm/1000ft	Mil-Std-975M Table 3.16 (single wire): 13 amps

Voltage

UL Voltage Rating
600 V RMS

Mechanical Characteristics

Temperature

UL Temperature	Operating
200°C	-70°C To +200°C

Bend Radius

Stationary Min.	Installation Min.
0.76 in (19 mm)	0.76 in (19 mm)

Max. Pull Tension:	27 lbs (12 kg)
Bulk Cable Weight:	10 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	VW-1
AWM Compliance:	AWM 1855

NEMA Compliance:	HP3
Military Compliance:	MIL-W-16878/4
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.481 Revision Date: 01-20-2023
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Part Numbers

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

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