



Product: [83009](#)

Lead Wire, #18 Str SPC, TFE Ins, AWM 1371

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Product Description

High Temp Plastic Lead Wire, 18AWG (19x30) 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	18 AWG	19x30	SC - Silvered Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
PTFE - Polytetrafluoroethylene	0.011 in (0.28 mm)	0.068 in (1.7 mm)

Overall Cable Diameter (Nominal):	0.068 in (1.7 mm)
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
5.75 Ohm/1000ft	Mil-Std-975M Table 3.16 (single wire): 9.2 A

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.
0.68 in (17 mm)	0.68 in (17 mm)

Max. Pull Tension:	21 lbs (9.5 kg)
Bulk Cable Weight:	8 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: 0.447 Revision Date: 06-30-2022
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
83009 010500	Black			
83009 010100	Black	Reel	100 ft	612825354116
83009 0101000	Black	Reel	1,000 ft	612825378402
83009 006500	Blue, Light			
83009 006100	Blue, Light	Reel	100 ft	612825354055
83009 0061000	Blue, Light	Reel	1,000 ft	612825399421
83009 001500	Brown			
83009 001100	Brown	Reel	100 ft	
83009 0011000	Brown	Reel	1,000 ft	612825399407
83009 0081000	Gray			
83009 008500	Gray			
83009 008100	Gray	Reel	100 ft	
83009 005500	Green, Dark			
83009 005100	Green, Dark	Reel	100 ft	
83009 0051000	Green, Dark	Reel	1,000 ft	612825399414
83009 003500	Orange			
83009 003100	Orange	Reel	100 ft	
83009 0031000	Orange	Reel	1,000 ft	
83009 002100	Red	Reel	100 ft	612825354277
83009 002500	Red	Reel	500 ft	
83009 0021000	Red	Reel	1,000 ft	612825378396
83009 0071000	Violet			
83009 007500	Violet			
83009 007100	Violet	Reel	100 ft	
83009 009100	White	Reel	100 ft	612825354291
83009 009500	White	Reel	500 ft	
83009 0091000	White	Reel	1,000 ft	612825354284
83009 004500	Yellow			
83009 004100	Yellow	Reel	100 ft	612825354062
83009 0041000	Yellow	Reel	1,000 ft	

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