



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	No. of Elements	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)

Product Notes

Notes:	Notes: E = MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 75'
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History

Update and Revision:	Revision Number: 0.510 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
83009 010500	Black				S W
83009 010100	Black	Reel	100 ft	612825354116	
83009 0101000	Black	Reel	1,000 ft	612825378402	S W
83009 006500	Blue, Light				
83009 006100	Blue, Light	Reel	100 ft	612825354055	
83009 0061000	Blue, Light	Reel	1,000 ft	612825399421	S W
83009 001500	Brown				S W
83009 001100	Brown	Reel	100 ft		
83009 0011000	Brown	Reel	1,000 ft	612825399407	S W
83009 0081000	Gray				S W
83009 008500	Gray				
83009 008100	Gray	Reel	100 ft		
83009 005500	Green, Dark				S W
83009 005100	Green, Dark	Reel	100 ft		
83009 0051000	Green, Dark	Reel	1,000 ft	612825399414	S W
83009 003500	Orange				S W
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		S W
83009 0021000	Red	Reel	1,000 ft	612825378396	S W
83009 0071000	Violet				S W
83009 007500	Violet				S W
83009 007100	Violet	Reel	100 ft		
83009 009100	White	Reel	100 ft	612825354291	
83009 009500	White	Reel	500 ft		S W
83009 0091000	White	Reel	1,000 ft	612825354284	S W
83009 004500	Yellow				
83009 004100	Yellow	Reel	100 ft	612825354062	
83009 0041000	Yellow	Reel	1,000 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), W - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 75'.
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