



Product: [83003](#)

Lead Wire, #24 Str SPC, TFE Ins, AWM 1213

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Product Description

High Temp Plastic Lead Wire, 24AWG (19x36) Silver Plated Copper, TFE Insulation, AWM 1213 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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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
24	19x36	SC - Silvered Copper	1

Conductor Count:	1
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Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PTFE - Polytetrafluoroethylene	0.044 in	0.01 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
24 Ohm/1000ft

Current

Element	Max. Recommended Current [A]
Mil-Std-975M Table 3.16 (single wire)	Mil-Std-975M Table 3.16 (single wire): 3.3 A

Voltage

UL Voltage Rating
600 V RMS

Temperature Range

Non-UL Temp Rating:	200°C
UL Temp Rating:	105°C
Operating Temp Range:	-70°C To +200°C

Mechanical Characteristics

Bulk Cable Weight:	2 lbs/1000ft
Min. Bend Radius/Minor Axis:	0.18 in

Standards

UL AWM Style Compliance:	UL AWM Style 1213
Military Compliance:	MIL-W-16878/4

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 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
CA Prop 65:	Yes
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	Putup Type	Length	UPC
83003 010100	Black	Reel	100 ft	612825354857
83003 010500	Black	Reel	500 ft	
83003 0101000	Black	Reel	1,000 ft	612825353881
83003 006100	Blue, Light	Reel	100 ft	
83003 006500	Blue, Light	Reel	500 ft	
83003 0061000	Blue, Light	Reel	1,000 ft	
83003 001100	Brown	Reel	100 ft	
83003 0011000	Brown	Reel	1,000 ft	612825399247
83003 008100	Gray	Reel	100 ft	
83003 0081000	Gray	Reel	1,000 ft	612825399285
83003 005100	Green, Dark	Reel	100 ft	
83003 005500	Green, Dark	Reel	500 ft	
83003 0051000	Green, Dark	Reel	1,000 ft	612825399278
83003 003100	Orange	Reel	100 ft	
83003 003500	Orange	Reel	500 ft	
83003 0031000	Orange	Reel	1,000 ft	612825399254
83003 002500	Red			
83003 002100	Red	Reel	100 ft	
83003 0021000	Red	Reel	1,000 ft	612825378327
83003 007100	Violet	Reel	100 ft	
83003 0071000	Violet	Reel	1,000 ft	
83003 009500	White			
83003 009100	White	Reel	100 ft	612825354840
83003 0091000	White	Reel	1,000 ft	612825378334
83003 004500	Yellow			
83003 004100	Yellow	Reel	100 ft	
83003 0041000	Yellow	Reel	1,000 ft	612825399261

Footnote: E - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 25'. S - STRIPING ADDERS FOR TYPES E AND EE: 1, 2, 3 STRIPES. MINIMUM ORDER 10,000' PER STRIPE COMBINATION. (SEE STRIPING ADDER TABLE)

History

Update and Revision:	Revision Number: 0.318 Revision Date: 05-26-2021
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