



Product: [83000](#)

Lead Wire, #30 Str SPC, TFE Ins, AWM 1213

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Product Description

High Temp Plastic Lead Wire, 30AWG (7x38) 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
30	7x38	SC - Silvered Copper	1

Conductor Count:	1
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Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PTFE - Polytetrafluoroethylene	0.032 in	0.01 in

Electrical Characteristics

Current

Max. Recommended Current [A]
Mil-Std-975M Table 3.16 (single wire): 1.3 A

Voltage

UL Voltage Rating
600 V RMS

Temperature Range

Non-UL Temp Rating:	200°C
UL Temp Rating:	105°C

Mechanical Characteristics

Bulk Cable Weight:	1 lbs/1000ft
Min. Bend Radius/Minor Axis:	0.13 in

Standards

UL AWM Style Compliance:	AWM 1213
NEMA Compliance:	HP3
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
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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Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
83000 010100	Black	Reel	100 ft	
83000 0101000	Black	Reel	1,000 ft	612825354772
83000 006100	Blue, Light	Reel	100 ft	
83000 0061000	Blue, Light	Reel	1,000 ft	612825354833
83000 001100	Brown	Reel	100 ft	
83000 0011000	Brown	Reel	1,000 ft	612825354765
83000 005100	Green, Dark	Reel	100 ft	
83000 0051000	Green, Dark	Reel	1,000 ft	612825354819
83000 003100	Orange			
83000 0031000	Orange	Reel	1,000 ft	612825354796
83000 002100	Red	Reel	100 ft	
83000 0021000	Red	Reel	1,000 ft	612825354789
83000 007100	Violet	Reel	100 ft	
83000 0071000	Violet	Reel	1,000 ft	612825399155
83000 009100	White	Reel	100 ft	
83000 0091000	White	Reel	1,000 ft	612825354826
83000 004100	Yellow			
83000 0041000	Yellow	Reel	1,000 ft	612825354802

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)
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History

Update and Revision:	Revision Number: 0.357 Revision Date: 04-08-2022
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