



Product: [83002](#)

Lead Wire, #26 Str SPC, TFE Ins, AWM 1213 105C TYPE E

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Product Description

High Temp Plastic Lead Wire, 26AWG (7x34) 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
26	7x34	SC - Silvered Copper	1

Conductor Count:	1
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Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PTFE - Polytetrafluoroethylene	0.039 in	0.01 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
37.5 Ohm/1000ft

Current

Element	Max. Recommended Current [A]
Mil-Std-975M Table 3.16 (single wire)	2.5 Amps Single Conductor in Free Air

Voltage

Description	Voltage Rating [V]
Mil-W-16878/4	600 V

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
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Standards

UL AWM Style Compliance:	1213
Military Compliance:	NEMA HP3, 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 II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
MII Order #39 (China RoHS):	Yes

Flammability, LS0H, 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
83002 010100	Black	Reel	100 ft	612825354864
83002 0101000	Black	Reel	1,000 ft	612825353850
83002 006100	Blue, Light	Reel	100 ft	612825353874
83002 0061000	Blue, Light	Reel	1,000 ft	612825399223
83002 001100	Brown	Reel	100 ft	
83002 0011000	Brown	Reel	1,000 ft	612825353911
83002 008100	Gray	Reel	100 ft	
83002 0081000	Gray	Reel	1,000 ft	612825399230
83002 005100	Green, Dark	Reel	100 ft	
83002 0051000	Green, Dark	Reel	1,000 ft	
83002 003100	Orange	Reel	100 ft	612825353898
83002 0031000	Orange	Reel	1,000 ft	
83002 002100	Red	Reel	100 ft	612825354895
83002 0021000	Red	Reel	1,000 ft	612825353904
83002 007100	Violet	Reel	100 ft	
83002 0071000	Violet	Reel	1,000 ft	
83002 009100	White	Reel	100 ft	
83002 0091000	White	Reel	1,000 ft	612825353867
83002 004100	Yellow	Reel	100 ft	
83002 0041000	Yellow	Reel	1,000 ft	612825399216

Footnote:	E - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 25'.
Footnote:	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: 0.288 Revision Date: 06-15-2020
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