



Product: [83026](#)

Lead Wire, #22 Str SPC, TFE Ins, AWM 1180

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Product Description

High Temp Plastic Lead Wire, 22AWG (19x34) Silver Plated Copper, TFE Insulation, AWM 1180 300V 200C TYPE EE MIL-W-16878/5 1000V 200C

Technical Specifications

Product Overview

Suitable Applications:	high temperature, inter-connection circuits, internal wiring of computer and electronic equipments, (Type EE) MIL-W-16878/5 applications
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
22	19x34	SC - Silvered Copper	1

Conductor Count:	1
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Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PTFE - Polytetrafluoroethylene	0.06 in	0.015 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
15.75 Ohm/1000ft

Current

Element	Max. Recommended Current [A]
Mil-Std-975M Table 3.16 (single wire)	Mil-Std-975M Table 3.16 (single wire): 4.5 A

Voltage

UL Description	UL Voltage Rating
UL AWM 1180	300 V RMS
Mil-W-16878/5	1000 V RMS

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	4 lbs/1000ft
Min Bend Radius/Minor Axis:	0.24 in

Standards

UL AWM Style Compliance:	UL AWM Style 1180
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NEMA Compliance:	HP3
Military Compliance:	MIL-W-16878/5

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
CA Prop 65:	Yes
MII Order #39 (China RoHS):	Yes

Flammability, LSOH, Toxicity Testing

UL Flammability:	VW-1
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Putup Type	Length	UPC
83026 010500	Black			
83026 010100	Black	Reel	100 ft	612825354710
83026 0101000	Black	Reel	1,000 ft	612825399506
83026 006100	Blue, Light			
83026 0061000	Blue, Light	Reel	1,000 ft	
83026 001100	Brown	Reel	100 ft	
83026 0011000	Brown	Reel	1,000 ft	
83026 008100	Gray			612825353799
83026 0081000	Gray	Reel	1,000 ft	
83026 005100	Green, Dark	Reel	100 ft	
83026 0051000	Green, Dark	Reel	1,000 ft	612825353744
83026 003100	Orange	Reel	100 ft	
83026 0031000	Orange	Reel	1,000 ft	
83026 002100	Red	Reel	100 ft	
83026 0021000	Red	Reel	1,000 ft	612825353782
83026 007100	Violet	Reel	100 ft	
83026 0071000	Violet	Reel	1,000 ft	
83026 009100	White	Reel	100 ft	
83026 0091000	White	Reel	1,000 ft	612825353805
83026 004100	Yellow	Reel	100 ft	
83026 0041000	Yellow	Reel	1,000 ft	612825399490

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: 0.317 Revision Date: 11-17-2020
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