



Product: [83026](#)

Lead Wire, #22 Str SPC, TFE Ins, AWM 1180 300V 200C TYPE EE

[Request Sample](#)

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

Physical Characteristics (Overall)

Conductor

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

Conductor Count: 1

Insulation

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

Outer Jacket Material

Material
No Jacket

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)	4.5 amps

Voltage

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

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
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Standards

UL AWM Style:	1180
Military Specification:	NEMA HP3, MIL-W-16878/5 (Except for Stranding)

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:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

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

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: 0.282 Revision Date: 04-02-2020
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