



Part Number: 83027

Lead Wire, #20 Str SPC, TFE Ins, AWM 1180 300V 200C TYPE EE

[Request Sample](#)

Product Description

High Temp Plastic Lead Wire, 20AWG (19x32) 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
20	19x32	SCC - Silver-coated Copper	1

Conductor Count:	1
Conductor Size:	20 AWG

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
TFE - Tetrafluoroethylene	0.068 in	0.015 in

Outer Jacket Material

Material
No Jacket

Electrical Characteristics

Current

Max. Recommended Current [A]
6.5 A

Voltage

Non-UL Voltage Rating	UL Voltage Rating
1000 V	300 V RMS

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	6.20 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
CA Prop 65 (CJ for Wire & Cable):	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	UPC	Length	Footnote
83027 010100	Black	612825354543	100 ft	
83027 0101000	Black	612825399520	1,000 ft	S W
83027 010500	Black			
83027 006100	Blue, Light	612825354482	100 ft	
83027 0061000	Blue, Light	612825399513	1,000 ft	S W
83027 001100	Brown	612825354727	100 ft	
83027 008100	Gray			
83027 005100	Green, Dark		100 ft	
83027 0051000	Green, Dark		1,000 ft	S W
83027 003100	Orange	612825354635	100 ft	
83027 0031000	Orange			S W
83027 002100	Red	612825354758	100 ft	
83027 0021000	Red	612825354505	1,000 ft	S W
83027 007100	Violet		100 ft	
83027 0071000	Violet		1,000 ft	S W
83027 009100	White	612825354499	100 ft	
83027 0091000	White	612825354512	1,000 ft	S W
83027 004100	Yellow	612825354475	100 ft	
83027 0041000	Yellow			S W

Footnote:	S - STRIPING ADDERS FOR TYPES E AND EE: 1, 2, 3 STRIPES. MINIMUM ORDER 10,000' PER STRIPE COMBINATION. (SEE STRIPING ADDER TABLE)
Footnote:	W - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 75'.

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