



Product: [83029](#)

Lead Wire, #18 Str SPC, TFE Ins, AWM 1180 300V 200C TYPE EE

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Product Description

High Temp Plastic Lead Wire, 18AWG (19x30) 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
18	19x30	SCC - Silver-coated Copper	1

Conductor Count: 1

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
TFE - Tetrafluoroethylene	0.0765 in	0.015 in

Outer Jacket Material

Material	Nominal Diameter
No Jacket	0.078 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
5.75 Ohm/1000ft

Current

Element	Max. Recommended Current [A]
Mil-Std-975M Table 3.16 (single wire)	Mil-Std-975M Table 3.16 (single wire): 9.2 A

Voltage

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

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	8.5 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 (UL AWM Style 1180)

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	UPC	Length	Footnote
83029 010100	Black	612825353706	100 ft	
83029 0101000	Black	612825399568	1,000 ft	S W
83029 010500	Black			S W
83029 0061000	Blue, Light	612825354550	1,000 ft	S W
83029 006100	Blue, Light	612825354468		
83029 006500	Blue, Light	612825353713		S W
83029 001100	Brown		100 ft	
83029 0011000	Brown	612825353737	1,000 ft	S W
83029 008100	Gray		100 ft	
83029 0081000	Gray			S W
83029 005100	Green, Dark	612825354451	100 ft	
83029 0051000	Green, Dark	612825399551	1,000 ft	S W
83029 005500	Green, Dark		500 ft	S W
83029 003100	Orange	612825354154	100 ft	
83029 0031000	Orange		1,000 ft	S W
83029 002100	Red	612825354178	100 ft	
83029 0021000	Red	612825399544	1,000 ft	S W
83029 002500	Red		500 ft	S W
83029 007100	Violet		100 ft	
83029 0071000	Violet		1,000 ft	S W
83029 0091000	White	612825354567	1,000 ft	S W
83029 009500	White		500 ft	S W
83029 0041000	Yellow		1,000 ft	S W
83029 004100	Yellow	612825353720		

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'.

History

Update and Revision:	Revision Number: 0.279 Revision Date: 12-19-2019
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