



Product: [83028](#)

Lead Wire, #20 Str SPC, TFE Ins, AWM 1180

[Request Sample](#)

Product Description

High Temp Plastic Lead Wire, 20AWG (7x28) 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
20	7x28	SC - Silvered Copper	1

Conductor Count:	1
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Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PTFE - Polytetrafluoroethylene	0.068 in	0.015 in

Electrical Characteristics

Current

Max. Recommended Current [A]
Mil-Std-975M Table 3.16 (single wire): 6.5 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

Mechanical Characteristics

Bulk Cable Weight:	6.90 lbs/1000ft
Min. Bend Radius/Minor Axis:	0.28 in

Standards

UL AWM Style Compliance:	AWM 1180
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 2):	Yes

EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
CA Prop 65:	Yes
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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Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
83028 010100	Black	Reel	100 ft	
83028 0101000	Black	Reel	1,000 ft	612825399537
83028 006100	Blue, Light	Reel	100 ft	
83028 0061000	Blue, Light	Reel	1,000 ft	
83028 0051000	Green, Dark			
83028 005100	Green, Dark	Reel	100 ft	
83028 0031000	Orange			
83028 003100	Orange	Reel	100 ft	
83028 002100	Red	Reel	100 ft	612825354529
83028 0021000	Red	Reel	1,000 ft	
83028 009100	White	Reel	100 ft	
83028 0091000	White	Reel	1,000 ft	

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

Update and Revision:	Revision Number: 0.357 Revision Date: 04-08-2022
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