



**Product:** [83028](#)

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

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**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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**Construction Details**

Conductor				
Element	No. of Elements	Size	Stranding	Material
Conductor(s)	1	20	7x28	SC - Silvered Copper

Insulation		
Material	Nom. Thickness	Nom. Insulation Diameter
PTFE - Polytetrafluoroethylene	0.015 in (0.38 mm)	0.068 in (1.7 mm)
Overall Cable Diameter (Nominal): 0.068 in (1.7 mm)		

**Electrical Characteristics**

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

Voltage	
UL Voltage Rating	
300 V RMS (UL AWM 1180), 1000 V RMS (Mil-W-16878/5)	

**Mechanical Characteristics**

Temperature	
UL Temperature	
200°C	

Bend Radius	
Stationary Min.	Installation Min.
0.28 in (7.1 mm)	0.28 in (7.1 mm)
Max. Pull Tension:	12.6 lbs (5.72 kg)
Bulk Cable Weight:	6.90 lbs/1000ft

**Standards and Compliance**

Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	VW-1
AWM Compliance:	AWM 1180
Military Compliance:	MIL-W-16878/5

History

Update and Revision:	Revision Number: 0.452 Revision Date: 01-20-2023
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Part Numbers

Variants

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

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