



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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Construction Details

Conductor

Element	Number of Element	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)
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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

European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
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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
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	

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