



Product: [83008](#)

Lead Wire, #20 Str SPC, TFE Ins, AWM 1213

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Product Description
High Temp Plastic Lead Wire, 20AWG (7x28) Silver Plated Copper, TFE Insulation, AWM 1213 105C TYPE E MIL-W-16878/4 600V 200C

Technical Specifications

Product Overview

Suitable Applications:	high temperature, inter-connection circuits, internal wiring of computer and electronic equipments, (Type E) MIL-W-16878/4 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	0.01 in (0.25 mm)	0.058 in (1.5 mm)

Overall Cable Diameter (Nominal):	0.058 in (1.5 mm)
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Electrical Characteristics

Voltage

UL Voltage Rating
600 V RMS

Mechanical Characteristics

Temperature

UL Temperature
105°C

Bend Radius

Stationary Min.	Installation Min.
0.24 in (6.1 mm)	0.24 in (6.1 mm)

Max. Pull Tension:	12.6 lbs (5.72 kg)
Bulk Cable Weight:	5.2 lbs/1000ft

Standards and Compliance

Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	VW-1
AWM Compliance:	AWM 1213
NEMA Compliance:	HP3
Military Compliance:	MIL-W-16878/4
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)

History

Update and Revision:	Revision Number: 0.455 Revision Date: 01-20-2023
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
83008 010100	Black	Reel	100 ft	612825354093
83008 0101000	Black	Reel	1,000 ft	612825354086
83008 006100	Blue, Light	Reel	100 ft	612825354024
83008 0061000	Blue, Light	Reel	1,000 ft	612825354109
83008 001100	Brown	Reel	100 ft	
83008 005100	Green, Dark	Reel	100 ft	612825354079
83008 0051000	Green, Dark	Reel	1,000 ft	612825354017
83008 003100	Orange	Reel	100 ft	
83008 0031000	Orange	Reel	1,000 ft	
83008 002100	Red	Reel	100 ft	612825353997
83008 0021000	Red	Reel	1,000 ft	612825354208
83008 009100	White	Reel	100 ft	612825354192
83008 0091000	White	Reel	1,000 ft	612825378389
83008 004100	Yellow	Reel	100 ft	612825354185
83008 0041000	Yellow	Reel	1,000 ft	

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