



Product: [83007](#)

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

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### Product Description

High Temp Plastic Lead Wire, 20AWG (19x32) 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 AWG	19x32	SC - Silvered Copper

##### Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
PTFE - Polytetrafluoroethylene	0.009 in (0.23 mm)	0.056 in (1.4 mm)

Overall Cable Diameter (Nominal):	0.056 in (1.4 mm)
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#### Electrical Characteristics

##### Electricals

Nom. Conductor DCR	Max. Current
9 Ohm/1000ft	Mil-Std-975M Table 3.16 (single wire): 6.5 A

##### Voltage

UL Voltage Rating
600 V RMS

#### Mechanical Characteristics

##### Temperature

UL Temperature	Operating
200°C	-70°C To +200°C

##### Bend Radius

Stationary Min.	Installation Min.
0.56 in (14 mm)	0.56 in (14 mm)

Max. Pull Tension:	13 lbs (5.9 kg)
Bulk Cable Weight:	5 lbs/1000ft

#### Standards and Compliance

Environmental Suitability:	Indoor, Outdoor
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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## History

Update and Revision:	Revision Number: 0.484 Revision Date: 01-20-2023
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## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC
83007 010100	Black	Reel	100 ft	612825354413
83007 010500	Black	Reel	500 ft	
83007 0101000	Black	Reel	1,000 ft	612825354215
83007 006100	Blue, Light	Reel	100 ft	
83007 006500	Blue, Light	Reel	500 ft	
83007 0061000	Blue, Light	Reel	1,000 ft	612825399391
83007 001100	Brown	Reel	100 ft	
83007 0011000	Brown	Reel	1,000 ft	612825399377
83007 008100	Gray	Reel	100 ft	
83007 0081000	Gray	Reel	1,000 ft	612825354000
83007 005100	Green, Dark	Reel	100 ft	
83007 0051000	Green, Dark	Reel	1,000 ft	
83007 003100	Orange	Reel	100 ft	
83007 0031000	Orange	Reel	1,000 ft	
83007 002100	Red	Reel	100 ft	612825354031
83007 002500	Red	Reel	500 ft	
83007 0021000	Red	Reel	1,000 ft	612825354222
83007 007100	Violet	Reel	100 ft	
83007 0071000	Violet	Reel	1,000 ft	612825354239
83007 009100	White	Reel	100 ft	
83007 009500	White	Reel	500 ft	
83007 0091000	White	Reel	1,000 ft	612825378372
83007 004100	Yellow	Reel	100 ft	
83007 0041000	Yellow	Reel	1,000 ft	612825399384

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