



Product: [83008](#)

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

[Request Sample](#)

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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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	0.058 in	0.01 in

Electrical Characteristics

Voltage

UL Voltage Rating
600 V RMS

Temperature Range

Non-UL Temp Rating:	200°C
UL Temp Rating:	105°C

Mechanical Characteristics

Bulk Cable Weight:	5.2 lbs/1000ft
Min Bend Radius/Minor Axis:	0.24 in

Standards

UL AWM Style Compliance:	UL AWM Style 1213
NEMA Compliance:	HP3
Military Compliance:	MIL-W-16878/4

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 II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)

EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
CA Prop 65:	Yes
MII Order #39 (China RoHS):	Yes

Flammability, LSOH, Toxicity Testing

UL Flammability:	VW-1
UL voltage rating:	600 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

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	

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

History

Update and Revision:	Revision Number: 0.299 Revision Date: 11-17-2020
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