



**Product:** [83005](#)

Lead Wire, #22 Str SPC, TFE Ins, AWM 1213

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**Product Description**

High Temp Plastic Lead Wire, 22AWG (7x30) 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
22	7x30	SC - Silvered Copper	1

Conductor Count:	1
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**Insulation**

Material	Nominal Diameter	Nominal Wall Thickness
PTFE - Polytetrafluoroethylene	0.049 in	0.01 in

**Electrical Characteristics**

**Conductor DCR**

<b>Nominal Conductor DCR</b>
15.25 Ohm/1000ft

**Current**

Element	Max. Recommended Current [A]
Mil-Std-975M Table 3.16 (single wire)	Mil-Std-975M Table 3.16 (single wire): 4.5 amps

**Voltage**

<b>UL Voltage Rating</b>
600 V RMS

**Temperature Range**

UL Temp Rating:	105°C
Operating Temp Range:	-70°C To +200°C

**Mechanical Characteristics**

Bulk Cable Weight:	4 lbs/1000ft
Min. Bend Radius/Minor Axis:	0.2 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 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
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	Put-Up Type	Length	UPC
83005 010100	Black	Reel	100 ft	612825354161
83005 0101000	Black	Reel	1,000 ft	612825353683
83005 006100	Blue, Light	Reel	100 ft	
83005 0061000	Blue, Light	Reel	1,000 ft	612825354123
83005 001100	Brown	Reel	100 ft	
83005 0011000	Brown	Reel	1,000 ft	612825399315
83005 008100	Gray	Reel	100 ft	
83005 0081000	Gray	Reel	1,000 ft	
83005 005100	Green, Dark	Reel	100 ft	
83005 0051000	Green, Dark	Reel	1,000 ft	
83005 003100	Orange	Reel	100 ft	
83005 0031000	Orange	Reel	1,000 ft	
83005 002100	Red	Reel	100 ft	612825354352
83005 0021000	Red	Reel	1,000 ft	612825354345
83005 007100	Violet	Reel	100 ft	
83005 0071000	Violet	Reel	1,000 ft	
83005 009100	White	Reel	100 ft	612825354338
83005 0091000	White	Reel	1,000 ft	612825354130
83005 004100	Yellow	Reel	100 ft	
83005 0041000	Yellow	Reel	1,000 ft	612825354147

Footnote:	E - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 25', S - STRIPING ADDERS FOR TYPES E AND EE: 1, 2, 3 STRIPES. MINIMUM ORDER 10,000' PER STRIPE COMBINATION. (SEE STRIPING ADDER TABLE)
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## History

Update and Revision:	Revision Number: 0.371 Revision Date: 08-27-2021
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