



## Product: [83049](#)



Lead Wire, #22 Str SPC, TFE Ins, AWM 1371

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### Product Description

High Temp Plastic Lead Wire, 22AWG (7x30) Silver Plated Copper, TFE Insulation, AWM 1371 105C TYPE ET MIL-W-16878/6 250V 200C

### Technical Specifications

#### Product Overview

Suitable Applications: high temperature, inter-connection circuits, internal wiring of computer and electronic equipments, (Type ET) MIL-W-16878/6 applications

#### Physical Characteristics (Overall)

##### Conductor

AWG	Stranding	Material	No. of Conductors
22	7x30	SC - Silvered Copper	1

Conductor Count: 1

##### Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PTFE - Polytetrafluoroethylene	0.042 in	0.006 in

#### Electrical Characteristics

##### Current

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

##### Voltage

UL Voltage Rating
250 V RMS

#### Temperature Range

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

#### Mechanical Characteristics

Bulk Cable Weight:	3 lbs/1000ft
Minimum Minor Axis Bend Radius:	0.17 in

#### Standards

UL AWM Style Compliance:	AWM 1371
NEMA Compliance:	HP3
Military Compliance:	MIL-W-16878/6

#### 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, LS0H, Toxicity Testing

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

### Plenum/Non-Plenum

Plenum (Y/N):	No
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### Related Part Numbers

#### Variants

Item #	Color	Put-Up Type	Length	UPC
83049 010100	Black	Reel	100 ft	
83049 0101000	Black	Reel	1,000 ft	612825354925
83049 006100	Blue, Light	Reel	100 ft	
83049 0061000	Blue, Light	Reel	1,000 ft	
83049 0011000	Brown			
83049 001100	Brown	Reel	100 ft	
83049 008100	Gray			
83049 0081000	Gray	Reel	1,000 ft	612825399698
83049 005100	Green, Dark			
83049 003100	Orange	Reel	100 ft	
83049 0031000	Orange	Reel	1,000 ft	
83049 002100	Red	Reel	100 ft	
83049 0021000	Red	Reel	1,000 ft	612825353836
83049 007100	Violet	Reel	100 ft	
83049 009100	White	Reel	100 ft	
83049 0091000	White	Reel	1,000 ft	612825399704
83049 004100	Yellow	Reel	100 ft	
83049 0041000	Yellow	Reel	1,000 ft	

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)

### History

Update and Revision:	Revision Number: 0.363 Revision Date: 02-03-2025
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