



REPRESENTATIVE IMAGE

Product: [8521](#) 

Lead Wire, #16 Str TC, PVC Ins, TYPE MW MIL-W-76C-PVC

 [Request Sample](#)

Product Description

Low Temp Plastic Lead Wire, 16AWG (26x30) Tinned Copper, PVC Insulation, TYPE MW MIL-W-76C-PVC 1000V 80C

Technical Specifications

Product Overview

Suitable Applications:	inter-connection circuits, internal wiring of computer and electronic equipments, (Type MW) MIL-W-76C-Low Temp applications
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
16	26x30	TC - Tinned Copper	1

Conductor Count:	1
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Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.098 in	0.019 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
4.0 Ohm/1000ft

Current

Element	Max. Recommended Current [A]
Single conductor in free air @ 30C ambient	Single conductor in free air @ 30°C: 22 A

Voltage

UL Voltage Rating
1000 V RMS

Temperature Range

Operating Temp Range:	-40°C To +80°C
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Mechanical Characteristics

Bulk Cable Weight:	12 lbs/1000ft
Min. Bend Radius/Minor Axis:	0.4 in

Standards

Military Compliance:	MIL-W-76C Type MWP
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Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	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 voltage rating:	N/A
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Put-Up Type	Length	UPC
8521 010100	Black	Reel	100 ft	612825211075
8521 0101000	Black	Reel	1,000 ft	612825211082
8521 013100	Blue, Dark	Reel	100 ft	612825211105
8521 0131000	Blue, Dark	Reel	1,000 ft	612825211112
8521 006100	Blue, Light	Reel	100 ft	612825210955
8521 0061000	Blue, Light	Reel	1,000 ft	612825210962
8521 001100	Brown	Reel	100 ft	612825210825
8521 0011000	Brown	Reel	1,000 ft	612825210832
8521 008100	Gray	Reel	100 ft	612825211006
8521 0081000	Gray	Reel	1,000 ft	612825211013
8521 005100	Green, Dark	Reel	100 ft	612825210931
8521 0051000	Green, Dark	Reel	1,000 ft	612825210948
8521 003100	Orange	Reel	100 ft	612825210887
8521 0031000	Orange	Reel	1,000 ft	612825210894
8521 012100	Pink	Reel	100 ft	612825354949
8521 002100	Red	Reel	100 ft	612825210856
8521 0021000	Red	Reel	1,000 ft	612825210863
8521 011100	Tan	Reel	100 ft	
8521 0111000	Tan	Reel	1,000 ft	
8521 007100	Violet	Reel	100 ft	612825210979
8521 0071000	Violet	Reel	1,000 ft	612825210986
8521 009100	White	Reel	100 ft	612825211037
8521 0091000	White	Reel	1,000 ft	612825211044
8521 0141000	White, Black Stripe	Reel	1,000 ft	612825211129
8521 018100	White, Blue Stripe	Reel	100 ft	612825211150
8521 0181000	White, Blue Stripe	Reel	1,000 ft	612825211167
8521 0191000	White, Brown Stripe	Reel	1,000 ft	612825211174
8521 0211000	White, Gray Stripe	Reel	1,000 ft	612825211198
8521 0161000	White, Green Stripe	Reel	1,000 ft	612825211143
8521 0201000	White, Orange Stripe	Reel	1,000 ft	612825211181
8521 0151000	White, Red Stripe	Reel	1,000 ft	612825211136
8521 0221000	White, Violet Stripe	Reel	1,000 ft	612825211204
8521 0171000	White, Yellow Stripe	Reel	1,000 ft	
8521 004100	Yellow	Reel	100 ft	612825210917
8521 0041000	Yellow	Reel	1,000 ft	612825210924

Footnote:	A - STOCKED STRIPE COLORS., P - STRIPE COLORS ON STOCK SOLID COLORS. STRIPING ADDER OF \$8.00/M= FOR 1 OR 2 STRIPES. 10,000' MINIMUM ORDER FOR COLOR COMBINATION. PUT-UP WILL BE SUBJECT TO TWO PIECES (+ OR -) 10% PER SPOOL, WITH A MINIMUM LENGTH OF 100'.
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History

Update and Revision:	Revision Number: 0.370 Revision Date: 10-27-2021
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