



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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#### Construction Details

##### Conductor

Element	Number of Element	Size	Stranding	Material
Conductor(s)	1	16 AWG	26x30	TC - Tinned Copper

##### Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
PVC - Polyvinyl Chloride	0.019 in (0.48 mm)	0.098 in (2.5 mm)

Overall Cable Diameter (Nominal):	0.098 in (2.5 mm)
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#### Electrical Characteristics

##### Electricals

Nom. Conductor DCR	Max. Current
4.0 Ohm/1000ft	Single conductor in free air @ 30°C: 22 A

##### Voltage

UL Voltage Rating
1000 V RMS

#### Mechanical Characteristics

##### Temperature

UL Temperature	Operating
80°C	-40°C To +80°C

##### Bend Radius

Stationary Min.	Installation Min.
0.98 in (25 mm)	0.98 in (25 mm)

Max. Pull Tension:	32 lbs (15 kg)
Bulk Cable Weight:	12 lbs/1000ft

#### Standards and Compliance

Environmental Suitability:	Outdoor
Sustainability:	CA Prop 65
Military Compliance:	MIL-W-76C Type MWP
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2012/19/EU (WEEE)

**History**

Update and Revision:	Revision Number: 0.448 Revision Date: 06-30-2022
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**Part Numbers**

**Variants**

Item #	Color	Putup 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

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