



Part Number: 8521

Lead Wire, #16 Str TC, PVC Ins, TYPE MW MIL-W-76C-PVC 1000V 80C

 [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

Physical Characteristics (Overall)

Conductor

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

Conductor Count:	1
Conductor Size:	16 AWG

Insulation

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

Outer Jacket Material

Material	Nominal Diameter
No Jacket	0.098 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
3.75 Ohm/1000ft

Current

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

Voltage

Description	Voltage Rating [V]
Mil-W-76C	1000 V RMS Mil-W-76C

Temperature Range

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

Bulk Cable Weight:	12 lbs/1000ft
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Standards

UL AWM Style:	N/A
Military Specification:	MIL-W-76C type MWP

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:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-10-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MIL 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	UPC	Length	Footnote
8521 010100	Black	612825211075	100 ft	
8521 0101000	Black	612825211082	1,000 ft	P
8521 013100	Blue, Dark	612825211105	100 ft	
8521 0131000	Blue, Dark	612825211112	1,000 ft	P
8521 006100	Blue, Light	612825210955	100 ft	
8521 0061000	Blue, Light	612825210962	1,000 ft	P
8521 001100	Brown	612825210825	100 ft	
8521 0011000	Brown	612825210832	1,000 ft	P
8521 008100	Gray	612825211006	100 ft	
8521 0081000	Gray	612825211013	1,000 ft	P
8521 005100	Green, Dark	612825210931	100 ft	
8521 0051000	Green, Dark	612825210948	1,000 ft	P
8521 003100	Orange	612825210887	100 ft	
8521 0031000	Orange	612825210894	1,000 ft	P
8521 012100	Pink	612825354949	100 ft	
8521 002100	Red	612825210856	100 ft	
8521 0021000	Red	612825210863	1,000 ft	P
8521 011100	Tan		100 ft	
8521 0111000	Tan		1,000 ft	P
8521 007100	Violet	612825210979	100 ft	
8521 0071000	Violet	612825210986	1,000 ft	P
8521 009100	White	612825211037	100 ft	
8521 0091000	White	612825211044	1,000 ft	P
8521 0141000	White, Black Stripe	612825211129	1,000 ft	A
8521 018100	White, Blue Stripe	612825211150	100 ft	A
8521 0181000	White, Blue Stripe	612825211167	1,000 ft	A
8521 0191000	White, Brown Stripe	612825211174	1,000 ft	A
8521 0211000	White, Gray Stripe	612825211198	1,000 ft	
8521 0161000	White, Green Stripe	612825211143	1,000 ft	A
8521 0201000	White, Orange Stripe	612825211181	1,000 ft	A
8521 0151000	White, Red Stripe	612825211136	1,000 ft	A
8521 0221000	White, Violet Stripe	612825211204	1,000 ft	A
8521 0171000	White, Yellow Stripe		1,000 ft	A
8521 004100	Yellow	612825210917	100 ft	
8521 0041000	Yellow	612825210924	1,000 ft	P

Footnote:	A - STOCKED STRIPE COLORS.
Footnote:	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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