



REPRESENTATIVE IMAGE

**Product:** [8502](#)

Lead Wire, #20 Str TC, PVC Ins, TYPE B MIL-W-16878/1

[Request Sample](#)

## Product Description

Low Temp Plastic Lead Wire, 20AWG (7x28) Tinned Copper, PVC Insulation, TYPE B MIL-W-16878/1 600V 105C

## Technical Specifications

### Product Overview

Suitable Applications:	inter-connection circuits, internal wiring of computer and electronic equipments, (Type B) MIL-W-16878/1-Low Temp applications
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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Conductors
20	7x28	TC - Tinned Copper	1

Conductor Count:	1
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#### Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.058 in	0.01 in

### Electrical Characteristics

#### Conductor DCR

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

#### Current

Element	Max. Recommended Current [A]
Single conductor in free air @ 30C ambient.	Single conductor in free air @ 30°C: 14.0 A

#### Voltage

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

### Temperature Range

Non-UL Temp Rating:	105°C
Operating Temp Range:	-40°C To +105°C

### Mechanical Characteristics

Bulk Cable Weight:	4.5 lbs/1000ft
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### Standards

Military Compliance:	MIL-W-16878/1
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### Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
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EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	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):	2006-04-01
CA Prop 65:	Yes
MII Order #39 (China RoHS):	Yes

## Flammability, LSOH, 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	Putup Type	Length	UPC
8502 010100	Black	Reel	100 ft	612825209676
8502 0101000	Black	Reel	1,000 ft	612825209683
8502 006100	Blue, Light	Reel	100 ft	612825209584
8502 0061000	Blue, Light	Reel	1,000 ft	612825209591
8502 001100	Brown	Reel	100 ft	612825209430
8502 0011000	Brown	Reel	1,000 ft	612825209447
8502 008100	Gray	Reel	100 ft	612825209638
8502 0081000	Gray	Reel	1,000 ft	612825209645
8502 005100	Green, Dark	Reel	100 ft	612825209560
8502 0051000	Green, Dark	Reel	1,000 ft	612825209577
8502 003100	Orange	Reel	100 ft	612825209508
8502 0031000	Orange	Reel	1,000 ft	612825209515
8502 002100	Red	Reel	100 ft	612825209461
8502 0021000	Red	Reel	1,000 ft	612825209478
8502 007100	Violet	Reel	100 ft	612825209614
8502 0071000	Violet	Reel	1,000 ft	612825209621
8502 009100	White	Reel	100 ft	612825209652
8502 0091000	White	Reel	1,000 ft	612825209669
8502 0181000	White, Blue Stripe	Reel	1,000 ft	612825209706
8502 0151000	White, Red Stripe	Reel	1,000 ft	612825209690
8502 004100	Yellow	Reel	100 ft	612825209539
8502 0041000	Yellow	Reel	1,000 ft	612825209546

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'.
Footnote:	A - STOCKED STRIPE COLORS.

## History

Update and Revision:	Revision Number: 0.308 Revision Date: 08-12-2020
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