



**Product:** [8503](#)

Lead Wire, #22 Str TC, PVC Ins, TYPE B MIL-W-16878/1

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**Product Description**

Low Temp Plastic Lead Wire, 22AWG (7x30) 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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**Construction Details**

**Conductor**

Element	Number of Element	Size	Stranding	Material
Conductor(s)	1	22 AWG	7x30	TC - Tinned Copper

**Insulation**

Material	Nom. Thickness	Nom. Insulation Diameter
PVC - Polyvinyl Chloride	0.01 in (0.25 mm)	0.05 in (1.3 mm)

Overall Cable Diameter (Nominal):	0.050 in (1.3 mm)
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**Electrical Characteristics**

**Electricals**

Nom. Conductor DCR	Max. Current
16.2 Ohm/1000ft	Single conductor in free air @ 30°C: 11.0 A

**Voltage**

UL Voltage Rating
600 V RMS

**Mechanical Characteristics**

**Temperature**

UL Temperature	Operating
105°C	-40°C To +105°C

**Bend Radius**

Stationary Min.	Installation Min.
0.50 in (13 mm)	0.50 in (13 mm)

Max. Pull Tension:	8 lbs (3.6 kg)
Bulk Cable Weight:	3 lbs/1000ft

**Standards and Compliance**

Environmental Suitability:	Outdoor
Sustainability:	CA Prop 65
Military Compliance:	MIL-W-16878/1
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)

## History

Update and Revision: Revision Number: 0.450 Revision Date: 06-30-2022

## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC
8503 010100	Black	Reel	100 ft	612825209959
8503 0101000	Black	Reel	1,000 ft	612825209966
8503 006100	Blue, Light	Reel	100 ft	612825209843
8503 0061000	Blue, Light	Reel	1,000 ft	612825209850
8503 001100	Brown	Reel	100 ft	612825209713
8503 0011000	Brown	Reel	1,000 ft	612825209720
8503 008100	Gray	Reel	100 ft	612825209898
8503 0081000	Gray	Reel	1,000 ft	612825209904
8503 005100	Green, Dark	Reel	100 ft	612825209829
8503 0051000	Green, Dark	Reel	1,000 ft	612825209836
8503 003100	Orange	Reel	100 ft	612825209775
8503 0031000	Orange	Reel	1,000 ft	612825209782
8503 002100	Red	Reel	100 ft	612825209751
8503 0021000	Red	Reel	1,000 ft	612825209768
8503 007100	Violet	Reel	100 ft	612825209867
8503 0071000	Violet	Reel	1,000 ft	612825209874
8503 009100	White	Reel	100 ft	612825209911
8503 0091000	White	Reel	1,000 ft	612825209928
8503 0141000	White, Black Stripe	Reel	1,000 ft	612825209973
8503 0181000	White, Blue Stripe	Reel	1,000 ft	612825210016
8503 0191000	White, Brown Stripe	Reel	1,000 ft	612825210023
8503 0211000	White, Gray Stripe	Reel	1,000 ft	612825210030
8503 0161000	White, Green Stripe	Reel	1,000 ft	612825209997
8503 0151000	White, Red Stripe	Reel	1,000 ft	612825209980
8503 0221000	White, Violet Stripe	Reel	1,000 ft	612825210047
8503 0171000	White, Yellow Stripe	Reel	1,000 ft	612825210009
8503 004100	Yellow	Reel	100 ft	612825209805
8503 0041000	Yellow	Reel	1,000 ft	612825209812

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