



**Product:** [8500](#)

Lead Wire, #16 Str TC, PVC Ins, TYPE B MIL-W-16878/1

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**Product Description**

Low Temp Plastic Lead Wire, 16AWG (19x29) 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	16 AWG	19x29	TC - Tinned Copper

**Insulation**

Material	Nom. Thickness	Nom. Insulation Diameter
PVC - Polyvinyl Chloride	0.01 in (0.25 mm)	0.079 in (2.0 mm)

Overall Cable Diameter (Nominal):	0.079 in (2.0 mm)
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**Electrical Characteristics**

**Electricals**

Nom. Conductor DCR	Max. Current
6.5 Ohm/1000ft	Single conductor in free air @ 30°C: 14.0 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.
0.79 in (20 mm)	0.79 in (20 mm)

Max. Pull Tension:	27 lbs (12 kg)
Bulk Cable Weight:	10 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: 0.416 Revision Date: 06-30-2022

## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC
8500 010100	Black	Reel	100 ft	612825209058
8500 0101000	Black	Reel	1,000 ft	612825209065
8500 006100	Blue, Light	Reel	100 ft	612825208969
8500 0061000	Blue, Light	Reel	1,000 ft	612825208976
8500 0011000	Brown	Reel	1,000 ft	612825208839
8500 0081000	Gray	Reel	1,000 ft	612825208990
8500 005100	Green, Dark	Reel	100 ft	612825208945
8500 0051000	Green, Dark	Reel	1,000 ft	612825208952
8500 0031000	Orange	Reel	1,000 ft	612825208907
8500 002100	Red	Reel	100 ft	612825208860
8500 0021000	Red	Reel	1,000 ft	612825208877
8500 0071000	Violet	Reel	1,000 ft	612825208983
8500 009100	White	Reel	100 ft	612825209010
8500 0091000	White	Reel	1,000 ft	612825209027
8500 0141000	White, Black Stripe	Reel	1,000 ft	612825209089
8500 0181000	White, Blue Stripe	Reel	1,000 ft	612825209126
8500 0191000	White, Brown Stripe	Reel	1,000 ft	612825209133
8500 0161000	White, Green Stripe	Reel	1,000 ft	612825209102
8500 0201000	White, Orange Stripe	Reel	1,000 ft	612825209140
8500 0151000	White, Red Stripe	Reel	1,000 ft	612825209096
8500 0171000	White, Yellow Stripe	Reel	1,000 ft	612825209119
8500 004100	Yellow	Reel	100 ft	612825208914
8500 0041000	Yellow	Reel	1,000 ft	612825208921

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