



Product: [8503](#)

Lead Wire, #22 Str TC, PVC Ins, TYPE B MIL-W-16878/1 600V 105C

[Request Sample](#)

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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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
22	7x30	TC - Tinned Copper	1

Conductor Count:	1
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Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.05 in	0.01 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
13.75 Ohm/1000ft

Current

Element	Max. Recommended Current [A]
Single conductor in free air @ 30C ambient	11 Amps Single Conductor in Free Air

Voltage

Voltage Rating [V]
600 V

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	3 lbs/1000ft
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Standards

UL AWM Style Compliance:	N/A
Military Compliance:	MIL-W-16878/1

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
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
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
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

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: 0.283 Revision Date: 06-24-2020
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