



**THE DATASHEET OF**  
**8503 002100**





**Part Number: 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**

**Physical Characteristics (Overall)**

**Conductor**

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

Conductor Count:	1
Conductor Size:	22 AWG

**Insulation**

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

**Outer Jacket Material**

Material
No Jacket

**Electrical Characteristics**

**Conductor DCR**

Nominal Conductor DCR
13.75 Ohm/1000ft

**Current**

Element	Max. Recommended Current [A]
Single conductor in free air @ 30C ambient	11.0 A

**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:	N/A
Military Specification:	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
CA Prop 65 (CJ for Wire & Cable):	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	UPC	Length	Footnote
8503 010100	Black	612825209959	100 ft	
8503 0101000	Black	612825209966	1,000 ft	P
8503 006100	Blue, Light	612825209843	100 ft	
8503 0061000	Blue, Light	612825209850	1,000 ft	P
8503 001100	Brown	612825209713	100 ft	
8503 0011000	Brown	612825209720	1,000 ft	P
8503 008100	Gray	612825209898	100 ft	
8503 0081000	Gray	612825209904	1,000 ft	P
8503 005100	Green, Dark	612825209829	100 ft	
8503 0051000	Green, Dark	612825209836	1,000 ft	P
8503 003100	Orange	612825209775	100 ft	
8503 0031000	Orange	612825209782	1,000 ft	P
8503 002100	Red	612825209751	100 ft	
8503 0021000	Red	612825209768	1,000 ft	P
8503 007100	Violet	612825209867	100 ft	
8503 0071000	Violet	612825209874	1,000 ft	P
8503 009100	White	612825209911	100 ft	
8503 0091000	White	612825209928	1,000 ft	P
8503 0141000	White, Black Stripe	612825209973	1,000 ft	A
8503 0181000	White, Blue Stripe	612825210016	1,000 ft	A
8503 0191000	White, Brown Stripe	612825210023	1,000 ft	A
8503 0211000	White, Gray Stripe	612825210030	1,000 ft	A
8503 0161000	White, Green Stripe	612825209997	1,000 ft	A
8503 0151000	White, Red Stripe	612825209980	1,000 ft	A
8503 0221000	White, Violet Stripe	612825210047	1,000 ft	A
8503 0171000	White, Yellow Stripe	612825210009	1,000 ft	A
8503 004100	Yellow	612825209805	100 ft	
8503 0041000	Yellow	612825209812	1,000 ft	P

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: 0.270 Revision Date: 07-11-2019
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