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With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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**Part Number: 8503**



Hook-Up/ Lead Wire (Type B) MIL-W-16878/1-PVC, (1) 22 AWG (7x30) TC, PVC

 [Request Sample](#)

**Product Description**

One 22 AWG stranded (7x30) tinned copper conductor, PVC insulation.

**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**

<b>Material</b>
No Jacket

**Electrical Characteristics**

**Conductor DCR**

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

Shielding:	Unshielded
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**Current**

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

**Voltage**

<b>Voltage Rating [V]</b>
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	Footnote
8503 010100	Black	
8503 0101000	Black	P
8503 006100	Blue, Light	
8503 0061000	Blue, Light	P
8503 001100	Brown	
8503 0011000	Brown	P
8503 008100	Gray	
8503 0081000	Gray	P
8503 005100	Green, Dark	
8503 0051000	Green, Dark	P
8503 003100	Orange	
8503 0031000	Orange	P
8503 002100	Red	
8503 0021000	Red	P
8503 007100	Violet	
8503 0071000	Violet	P
8503 009100	White	
8503 0091000	White	P
8503 0141000	White, Black Stripe	A
8503 0181000	White, Blue Stripe	A
8503 0191000	White, Brown Stripe	A
8503 0211000	White, Gray Stripe	A
8503 0161000	White, Green Stripe	A
8503 0151000	White, Red Stripe	A
8503 0221000	White, Violet Stripe	A
8503 0171000	White, Yellow Stripe	A
8503 004100	Yellow	
8503 0041000	Yellow	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.

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