

**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**

| Material  |
|-----------|
| No Jacket |

**Electrical Characteristics**

**Conductor DCR**

| Nominal Conductor DCR |
|-----------------------|
| 13.75 Ohm/1000ft      |

|            |            |
|------------|------------|
| Shielding: | Unshielded |
|------------|------------|

**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 |
|--------------------|--------------|

**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 |
|--------------------|-----|

## Plenum/Non-Plenum

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

## 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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