



Product: [8504](#)

Lead Wire, #24 Str TC, PVC Ins, TYPE B MIL-W-16878/1

Request Sample

### Product Description

Low Temp Plastic Lead Wire, 24AWG (7x32) 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 |
|------------------------|--|

#### Construction Details

##### Conductor

| Element      | Number of Element | Size | Stranding | Material           |
|--------------|-------------------|------|-----------|--------------------|
| Conductor(s) | 1                 | 24   | 7x32      | TC - Tinned Copper |

##### Insulation

| Material                 | Nom. Thickness    | Nom. Insulation Diameter |
|--------------------------|-------------------|--------------------------|
| PVC - Polyvinyl Chloride | 0.01 in (0.25 mm) | 0.044 in (1.1 mm)        |

|                                   |                   |
|-----------------------------------|-------------------|
| Overall Cable Diameter (Nominal): | 0.044 in (1.1 mm) |
|-----------------------------------|-------------------|

#### Electrical Characteristics

##### Voltage

| UL Voltage Rating |
|-------------------|
| 600 V RMS         |

#### Mechanical Characteristics

##### Bend Radius

| Stationary Min.  | Installation Min. |
|------------------|-------------------|
| 0.18 in (4.6 mm) | 0.18 in (4.6 mm)  |

|                    |                  |
|--------------------|------------------|
| Max. Pull Tension: | 5.5 lbs (2.5 kg) |
| Bulk Cable Weight: | 2 lbs/1000ft     |

#### Standards and Compliance

|                                |   |
|--------------------------------|---|
| 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: 0.438 Revision Date: 01-20-2023 |
|----------------------|--|

#### Part Numbers

##### Variants

| Item #      | Color | Putup Type | Length | UPC          |
|-------------|-------|------------|--------|--------------|
| 8504 010100 | Black | Reel       | 100 ft | 612825210313 |

|              |             |      |          |              |
|--------------|-------------|------|----------|--------------|
| 8504 0101000 | Black       | Reel | 1,000 ft | 612825210320 |
| 8504 006100  | Blue, Light | Reel | 100 ft   | 612825210207 |
| 8504 0061000 | Blue, Light | Reel | 1,000 ft | 612825210214 |
| 8504 001100  | Brown       | Reel | 100 ft   | 612825210054 |
| 8504 0011000 | Brown       | Reel | 1,000 ft | 612825210061 |
| 8504 008100  | Gray        | Reel | 100 ft   | 612825210238 |
| 8504 0081000 | Gray        | Reel | 1,000 ft | 612825210245 |
| 8504 005100  | Green, Dark | Reel | 100 ft   | 612825210177 |
| 8504 0051000 | Green, Dark | Reel | 1,000 ft | 612825210184 |
| 8504 003100  | Orange      | Reel | 100 ft   | 612825210115 |
| 8504 0031000 | Orange      | Reel | 1,000 ft | 612825210122 |
| 8504 002100  | Red         | Reel | 100 ft   | 612825210085 |
| 8504 0021000 | Red         | Reel | 1,000 ft | 612825210092 |
| 8504 0071000 | Violet      | Reel | 1,000 ft | 612825210221 |
| 8504 009100  | White       | Reel | 100 ft   | 612825210269 |
| 8504 0091000 | White       | Reel | 1,000 ft | 612825210276 |
| 8504 004100  | Yellow      | Reel | 100 ft   | 612825210146 |
| 8504 0041000 | Yellow      | Reel | 1,000 ft | 612825210153 |

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