



Product: [8502](#)

Lead Wire, #20 Str TC, PVC Ins, TYPE B MIL-W-16878/1

Request Sample

Product Description

Low Temp Plastic Lead Wire, 20AWG (7x28) 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 | No. of Elements | Size | Stranding | Material |
|--------------|-----------------|--------|-----------|--------------------|
| Conductor(s) | 1 | 20 AWG | 7x28 | TC - Tinned Copper |

Insulation

| Material | Nom. Thickness | Nom. Insulation Diameter |
|--------------------------|-------------------|--------------------------|
| PVC - Polyvinyl Chloride | 0.01 in (0.25 mm) | 0.058 in (1.5 mm) |

| | |
|-----------------------------------|-------------------|
| Overall Cable Diameter (Nominal): | 0.058 in (1.5 mm) |
|-----------------------------------|-------------------|

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Max. Current |
|--------------------|---|
| 9.8 Ohm/1000ft | Single conductor in free air @ 30°C: 14.0 A |

Voltage

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

Mechanical Characteristics

Temperature

| UL Temperature | Operating |
|----------------|-----------------|
| 105°C | -40°C To +105°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 0.58 in (15 mm) | 0.58 in (15 mm) |

| | |
|--------------------|-----------------|
| Max. Pull Tension: | 11 lbs (5.0 kg) |
| Bulk Cable Weight: | 4 lbs/1000ft |

Standards and Compliance

| | |
|--------------------------------|---|
| Environmental Suitability: | Outdoor |
| 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: 0.485 Revision Date: 07-03-2024 |
|----------------------|--|

Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC | Footnote |
|--------------|--------------------|------------|----------|--------------|----------|
| 8502 010100 | Black | Reel | 100 ft | 612825209676 | |
| 8502 0101000 | Black | Reel | 1,000 ft | 612825209683 | P |
| 8502 006100 | Blue, Light | Reel | 100 ft | 612825209584 | |
| 8502 0061000 | Blue, Light | Reel | 1,000 ft | 612825209591 | P |
| 8502 001100 | Brown | Reel | 100 ft | 612825209430 | |
| 8502 0011000 | Brown | Reel | 1,000 ft | 612825209447 | P |
| 8502 008100 | Gray | Reel | 100 ft | 612825209638 | |
| 8502 0081000 | Gray | Reel | 1,000 ft | 612825209645 | P |
| 8502 005100 | Green, Dark | Reel | 100 ft | 612825209560 | |
| 8502 0051000 | Green, Dark | Reel | 1,000 ft | 612825209577 | P |
| 8502 003100 | Orange | Reel | 100 ft | 612825209508 | |
| 8502 0031000 | Orange | Reel | 1,000 ft | 612825209515 | P |
| 8502 002100 | Red | Reel | 100 ft | 612825209461 | |
| 8502 0021000 | Red | Reel | 1,000 ft | 612825209478 | P |
| 8502 007100 | Violet | Reel | 100 ft | 612825209614 | |
| 8502 0071000 | Violet | Reel | 1,000 ft | 612825209621 | P |
| 8502 009100 | White | Reel | 100 ft | 612825209652 | |
| 8502 0091000 | White | Reel | 1,000 ft | 612825209669 | P |
| 8502 0181000 | White, Blue Stripe | Reel | 1,000 ft | 612825209706 | A |
| 8502 0151000 | White, Red Stripe | Reel | 1,000 ft | 612825209690 | A |
| 8502 004100 | Yellow | Reel | 100 ft | 612825209539 | |
| 8502 0041000 | Yellow | Reel | 1,000 ft | 612825209546 | P |

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