



Part Number: 8502

Lead Wire, #20 Str TC, PVC Ins, TYPE B MIL-W-16878/1 600V 105C

[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

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Conductors |
|-----|-----------|--------------------|-------------------|
| 20 | 7x28 | TC - Tinned Copper | 1 |

| | |
|------------------|--------|
| Conductor Count: | 1 |
| Conductor Size: | 20 AWG |

Insulation

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.058 in | 0.01 in |

Outer Jacket Material

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

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 9.5 Ohm/1000ft |

Current

| Element | Max. Recommended Current [A] |
|---|------------------------------|
| Single conductor in free air @ 30C ambient. | 14.0 A |

Voltage

| Description | Voltage Rating [V] |
|---------------|--------------------|
| Mil-W-16878/1 | 600 V |

Temperature Range

| | |
|-----------------------|-----------------|
| Non-UL Temp Rating: | 105°C |
| Operating Temp Range: | -40°C To +105°C |

Mechanical Characteristics

| | |
|--------------------|----------------|
| Bulk Cable Weight: | 4.5 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 |
|--------------|--------------------|----------|
| 8502 010100 | Black | |
| 8502 0101000 | Black | P |
| 8502 006100 | Blue, Light | |
| 8502 0061000 | Blue, Light | P |
| 8502 001100 | Brown | |
| 8502 0011000 | Brown | P |
| 8502 008100 | Gray | |
| 8502 0081000 | Gray | P |
| 8502 005100 | Green, Dark | |
| 8502 0051000 | Green, Dark | P |
| 8502 003100 | Orange | |
| 8502 0031000 | Orange | P |
| 8502 002100 | Red | |
| 8502 0021000 | Red | P |
| 8502 007100 | Violet | |
| 8502 0071000 | Violet | P |
| 8502 009100 | White | |
| 8502 0091000 | White | P |
| 8502 0181000 | White, Blue Stripe | A |
| 8502 0151000 | White, Red Stripe | A |
| 8502 004100 | Yellow | |
| 8502 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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