



Product: [8522](#) 

Lead Wire, #18 Str TC, PVC Ins, TYPE MW MIL-W-76C-PVC

 [Request Sample](#)

Product Description

Low Temp Plastic Lead Wire, 18AWG (16x30) Tinned Copper, PVC Insulation, TYPE MW MIL-W-76C-PVC 1000V 80C

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Suitable Applications: | inter-connection circuits, internal wiring of computer and electronic equipments, (Type MW) MIL-W-76C-Low Temp applications |
|------------------------|---|

Construction Details

Conductor

| Element | No. of Elements | Size | Stranding | Material |
|--------------|-----------------|--------|-----------|--------------------|
| Conductor(s) | 1 | 18 AWG | 16x30 | TC - Tinned Copper |

Insulation

| Material | Nom. Thickness | Nom. Insulation Diameter |
|--------------------------|--------------------|--------------------------|
| PVC - Polyvinyl Chloride | 0.017 in (0.43 mm) | 0.08 in (2.0 mm) |

Overall Cable Diameter (Nominal): 0.08 in (2.0 mm)

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Max. Current |
|--------------------|---|
| 6.5 Ohm/1000ft | Single conductor in free air @ 30°C: 16 A |

Voltage

| UL Voltage Rating |
|-------------------|
| 1000 V RMS |

Mechanical Characteristics

Temperature

| UL Temperature | Operating |
|----------------|----------------|
| 80°C | -40°C To +80°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 0.8 in (20 mm) | 0.8 in (20 mm) |

Max. Pull Tension: 19 lbs (8.6 kg)

Bulk Cable Weight: 7 lbs/1000ft

Standards and Compliance

| | |
|--------------------------------|---|
| Environmental Suitability: | Outdoor |
| Sustainability: | CA Prop 65 |
| Military Compliance: | MIL-W-76C Type MWP |
| 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) |

| | |
|------------------|---------------------------------|
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |
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History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.481 Revision Date: 09-07-2025 |
|----------------------|--|

Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC | Footnote |
|--------------|--------------------------------|------------|----------|--------------|----------|
| 8522 010100 | Black | Reel | 100 ft | 612825211525 | |
| 8522 0101000 | Black | Reel | 1,000 ft | 612825211532 | P |
| 8522 013100 | Blue, Dark | Reel | 100 ft | 612825211594 | |
| 8522 0131000 | Blue, Dark | Reel | 1,000 ft | 612825211600 | P |
| 8522 006100 | Blue, Light | Reel | 100 ft | 612825211389 | |
| 8522 0061000 | Blue, Light | Reel | 1,000 ft | 612825211396 | P |
| 8522 001100 | Brown | Reel | 100 ft | 612825211235 | |
| 8522 0011000 | Brown | Reel | 1,000 ft | 612825211242 | P |
| 8522 008100 | Gray | Reel | 100 ft | 612825211433 | |
| 8522 0081000 | Gray | Reel | 1,000 ft | 612825211440 | P |
| 8522 005100 | Green, Dark | Reel | 100 ft | 612825211358 | |
| 8522 0051000 | Green, Dark | Reel | 1,000 ft | 612825211365 | P |
| 8522 003100 | Orange | Reel | 100 ft | 612825211303 | |
| 8522 0031000 | Orange | Reel | 1,000 ft | 612825211310 | P |
| 8522 0121000 | Pink | Reel | 1,000 ft | 612825211556 | P |
| 8522 002100 | Red | Reel | 100 ft | 612825211273 | |
| 8522 0021000 | Red | Reel | 1,000 ft | 612825347835 | P |
| 8522 0111000 | Tan | Reel | 1,000 ft | 612825211549 | P |
| 8522 007100 | Violet | Reel | 100 ft | 612825211419 | |
| 8522 0071000 | Violet | Reel | 1,000 ft | 612825211426 | P |
| 8522 009100 | White | Reel | 100 ft | 612825211471 | |
| 8522 0091000 | White | Reel | 1,000 ft | 612825211488 | P |
| 8522 0261000 | White, Black And Blue Stripe | Reel | 1,000 ft | | A |
| 8522 0301000 | White, Black And Violet Stripe | Reel | 1,000 ft | 612825211716 | A |
| 8522 014100 | White, Black Stripe | Reel | 100 ft | 612825211617 | A |
| 8522 0141000 | White, Black Stripe | Reel | 1,000 ft | 612825211624 | A |
| 8522 018100 | White, Blue Stripe | Reel | 100 ft | 612825211662 | A |
| 8522 0181000 | White, Blue Stripe | Reel | 1,000 ft | 612825211679 | A |
| 8522 0161000 | White, Green Stripe | Reel | 1,000 ft | | A |
| 8522 0201000 | White, Orange Stripe | Reel | 1,000 ft | 612825211709 | A |
| 8522 0151000 | White, Red Stripe | Reel | 1,000 ft | 612825211648 | A |
| 8522 004100 | Yellow | Reel | 100 ft | 612825211334 | |
| 8522 0041000 | Yellow | Reel | 1,000 ft | 612825211341 | P |

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