



Product: [8524](#)

Lead Wire, #22 Str TC, PVC Ins, TYPE MW MIL-W-76C-PVC

Request Sample

### Product Description

Low Temp Plastic Lead Wire, 22AWG (7x30) 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      | Number of Element | Size   | Stranding | Material           |
|--------------|-------------------|--------|-----------|--------------------|
| Conductor(s) | 1                 | 22 AWG | 7x30      | TC - Tinned Copper |

##### Insulation

| Material                 | Nom. Thickness     | Nom. Insulation Diameter |
|--------------------------|--------------------|--------------------------|
| PVC - Polyvinyl Chloride | 0.017 in (0.43 mm) | 0.064 in (1.6 mm)        |

|                                   |                   |
|-----------------------------------|-------------------|
| Overall Cable Diameter (Nominal): | 0.064 in (1.6 mm) |
|-----------------------------------|-------------------|

#### Electrical Characteristics

##### Electricals

| Nom. Conductor DCR | Max. Current                               |
|--------------------|--|
| 16 Ohm/1000ft      | Single conductor in free air @ 30°C: 9.0 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. |
|-----------------|-------------------|
| 0.64 in (16 mm) | 0.64 in (16 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-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) |

## History

Update and Revision: Revision Number: 0.477 Revision Date: 01-20-2023

## Part Numbers

### Variants

| Item #       | Color       | Putup Type | Length   | UPC          |
|--------------|-------------|------------|----------|--------------|
| 8524 010100  | Black       | Reel       | 100 ft   | 612825212379 |
| 8524 0101000 | Black       | Reel       | 1,000 ft | 612825347873 |
| 8524 0131000 | Blue, Dark  | Reel       | 1,000 ft | 612825212393 |
| 8524 006100  | Blue, Light | Reel       | 100 ft   | 612825212256 |
| 8524 0061000 | Blue, Light | Reel       | 1,000 ft | 612825212263 |
| 8524 001100  | Brown       | Reel       | 100 ft   | 612825212119 |
| 8524 0011000 | Brown       | Reel       | 1,000 ft | 612825212126 |
| 8524 008100  | Gray        | Reel       | 100 ft   | 612825212300 |
| 8524 0081000 | Gray        | Reel       | 1,000 ft | 612825212317 |
| 8524 005100  | Green, Dark | Reel       | 100 ft   | 612825212232 |
| 8524 0051000 | Green, Dark | Reel       | 1,000 ft | 612825212249 |
| 8524 003100  | Orange      | Reel       | 100 ft   | 612825212171 |
| 8524 0031000 | Orange      | Reel       | 1,000 ft | 612825212188 |
| 8524 002100  | Red         | Reel       | 100 ft   | 612825212157 |
| 8524 0021000 | Red         | Reel       | 1,000 ft | 612825347866 |
| 8524 007100  | Violet      | Reel       | 100 ft   | 612825212287 |
| 8524 0071000 | Violet      | Reel       | 1,000 ft | 612825212294 |
| 8524 009100  | White       | Reel       | 100 ft   | 612825212348 |
| 8524 0091000 | White       | Reel       | 1,000 ft | 612825212355 |
| 8524 004100  | Yellow      | Reel       | 100 ft   | 612825212201 |
| 8524 0041000 | Yellow      | Reel       | 1,000 ft | 612825212218 |

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