



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      | No. of Elements | 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: 0.478 Revision Date: 07-03-2024 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

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

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