



Product: [8527](#)

Lead Wire, #12 Str TC, PVC Ins, TYPE MW MIL-W-76C-PVC

[Request Sample](#)

Product Description

Low Temp Plastic Lead Wire, 12AWG (65x30) 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 | 12 AWG | 65x30 | TC - Tinned Copper |

Insulation

| Material | Nom. Thickness | Nom. Insulation Diameter |
|--------------------------|--------------------|--------------------------|
| PVC - Polyvinyl Chloride | 0.021 in (0.53 mm) | 0.128 in (3.25 mm) |

| | |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.128 in (3.25 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Max. Current |
|--------------------|--|
| 4.32 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. |
|-------------------|-------------------|
| 1.28 in (32.5 mm) | 1.28 in (32.5 mm) |

| | |
|--------------------|----------------|
| Max. Pull Tension: | 64 lbs (29 kg) |
| Bulk Cable Weight: | 24 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: 0.455 Revision Date: 02-03-2025 |
|----------------------|--|

Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC | Footnote |
|--------------|-------------|------------|----------|--------------|----------|
| 8527 010100 | Black | Reel | 100 ft | 612825212867 | |
| 8527 0101000 | Black | Reel | 1,000 ft | 612825212874 | C P |
| 8527 006100 | Blue, Light | Reel | 100 ft | 612825212812 | |
| 8527 0061000 | Blue, Light | Reel | 1,000 ft | 612825212829 | P |
| 8527 0081000 | Gray | Reel | 1,000 ft | 612825212836 | P |
| 8527 005100 | Green, Dark | Reel | 100 ft | 612825212799 | |
| 8527 0051000 | Green, Dark | Reel | 1,000 ft | 612825212805 | P |
| 8527 003100 | Orange | Reel | 100 ft | 612825212768 | |
| 8527 0031000 | Orange | Reel | 1,000 ft | 612825212775 | P |
| 8527 002100 | Red | Reel | 100 ft | 612825212744 | |
| 8527 0021000 | Red | Reel | 1,000 ft | 612825212751 | P |
| 8527 009100 | White | Reel | 100 ft | 612825212843 | |
| 8527 0091000 | White | Reel | 1,000 ft | 612825212850 | P |
| 8527 0041000 | Yellow | Reel | 1,000 ft | 612825212782 | P |

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