



**Product:** [9981](#)

Lead Wire, #18 Str TC, PVC Ins, AWM 1061

[Request Sample](#)

Product Description

Low Temp Plastic Lead Wire, 18AWG (19x30) Tinned Copper, PVC Insulation, AWM 1061 CSA AWM 300V 80C

Technical Specifications

Product Overview

|                        |                                                                                  |
|------------------------|----------------------------------------------------------------------------------|
| Suitable Applications: | inter-connection circuits, internal wiring of computer and electronic equipments |
|------------------------|----------------------------------------------------------------------------------|

Construction Details

Conductor

| Element      | No. of Elements | Size | Stranding | Material           |
|--------------|-----------------|------|-----------|--------------------|
| Conductor(s) | 1               | 18   | 19x30     | TC - Tinned Copper |

Insulation

| Material                 | Nom. Thickness    | Nom. Insulation Diameter |
|--------------------------|-------------------|--------------------------|
| PVC - Polyvinyl Chloride | 0.01 in (0.25 mm) | 0.066 in (1.7 mm)        |

|                                   |                   |
|-----------------------------------|-------------------|
| Overall Cable Diameter (Nominal): | 0.066 in (1.7 mm) |
|-----------------------------------|-------------------|

Electrical Characteristics

Voltage

| UL Voltage Rating |
|-------------------|
| 300 V RMS         |

Mechanical Characteristics

Temperature

| UL Temperature | Operating      |
|----------------|----------------|
| 80°C           | -20°C To +80°C |

Bend Radius

| Stationary Min.  | Installation Min. |
|------------------|-------------------|
| 0.27 in (6.9 mm) | 0.27 in (6.9 mm)  |

|                    |                    |
|--------------------|--------------------|
| Max. Pull Tension: | 24.7 lbs (11.2 kg) |
| Bulk Cable Weight: | 6.1 lbs/1000ft     |

Standards and Compliance

|                                  |                                                                                                                           |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Sustainability:                  | CA Prop 65                                                                                                                |
| Flammability / Reaction to Fire: | VW-1                                                                                                                      |
| AWM Compliance:                  | AWM 1061, CSA AWM I A/B                                                                                                   |
| 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: 0.459 Revision Date: 02-03-2025 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #       | Color       | Putup Type | Length   | UPC          | Footnote |
|--------------|-------------|------------|----------|--------------|----------|
| 9981 010100  | Black       | Reel       | 100 ft   | 612825266365 |          |
| 9981 0101000 | Black       | Reel       | 1,000 ft | 612825266372 | P        |
| 9981 013100  | Blue, Dark  | Reel       | 100 ft   | 612825266389 |          |
| 9981 0131000 | Blue, Dark  | Reel       | 1,000 ft | 612825266396 | P        |
| 9981 001100  | Brown       | Reel       | 100 ft   | 612825266211 |          |
| 9981 0011000 | Brown       | Reel       | 1,000 ft | 612825266228 | P        |
| 9981 0081000 | Gray        | Reel       | 1,000 ft | 612825266334 |          |
| 9981 005100  | Green, Dark | Reel       | 100 ft   | 612825266297 |          |
| 9981 0051000 | Green, Dark | Reel       | 1,000 ft | 612825266303 | P        |
| 9981 003100  | Orange      | Reel       | 100 ft   | 612825266259 |          |
| 9981 0031000 | Orange      | Reel       | 1,000 ft | 612825266266 | P        |
| 9981 002100  | Red         | Reel       | 100 ft   | 612825266235 |          |
| 9981 0021000 | Red         | Reel       | 1,000 ft | 612825266242 | P        |
| 9981 007100  | Violet      | Reel       | 100 ft   | 612825266310 |          |
| 9981 0071000 | Violet      | Reel       | 1,000 ft | 612825266327 | P        |
| 9981 009100  | White       | Reel       | 100 ft   | 612825266341 |          |
| 9981 0091000 | White       | Reel       | 1,000 ft | 612825266358 | P        |
| 9981 004100  | Yellow      | Reel       | 100 ft   | 612825266273 |          |
| 9981 0041000 | Yellow      | Reel       | 1,000 ft | 612825266280 | P        |

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