


**Product:** [9986](#)
**Lead Wire, #28 Str TC, PVC Ins, AWM 1061**
[Request Sample](#)
**Product Description**

Low Temp Plastic Lead Wire, 28AWG (7x36) 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               | 28   | 7x36      | TC - Tinned Copper |

**Insulation**

| Material                 | Nom. Thickness    | Nom. Insulation Diameter |
|--------------------------|-------------------|--------------------------|
| PVC - Polyvinyl Chloride | 0.01 in (0.25 mm) | 0.035 in (0.89 mm)       |

Overall Cable Diameter (Nominal): 0.035 in (0.89 mm)

**Electrical Characteristics**
**Electricals**

| Nom. Conductor DCR         | Max. Conductor DCR |
|----------------------------|--------------------|
|                            | 6.6 Ohm/1000ft     |
| 6.6 Ohm/1000ft (22 Ohm/km) |                    |
| 6.6 Ohm/1000ft (22 Ohm/km) |                    |

Nom Outer Shield DCR: 6.6 Ohm/km (2.0 Ohm/1000ft)

**Unbalanced Crosstalk**

| Typical Unbalanced FEXT % |
|---------------------------|
| 6.7 MHz                   |
| 6.6 MHz                   |

**High Frequency (Nominal/Typical)**

| Nom. Insertion Loss (Attenuation) |
|-----------------------------------|
| 6.7 dB/100m                       |
| 6.7 dB/100m                       |

**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. |
|------------------|-------------------|
| 0.14 in (3.6 mm) | 0.14 in (3.6 mm)  |

Max. Pull Tension: 2.1 lbs (0.95 kg)

Bulk Cable Weight: 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: 0.474 Revision Date: 09-07-2025

**Part Numbers****Variants**

| Item #       | Color       | Putup Type | Length   | UPC          | Footnote |
|--------------|-------------|------------|----------|--------------|----------|
| 9986 010100  | Black       | Reel       | 100 ft   | 612825267454 |          |
| 9986 0101000 | Black       | Reel       | 1,000 ft | 612825267461 | P        |
| 9986 0131000 | Blue, Dark  | Reel       | 1,000 ft | 612825267478 | P        |
| 9986 0011000 | Brown       | Reel       | 1,000 ft | 612825267348 | P        |
| 9986 0081000 | Gray        | Reel       | 1,000 ft | 612825267423 | P        |
| 9986 0051000 | Green, Dark | Reel       | 1,000 ft | 612825267409 | P        |
| 9986 003100  | Orange      | Reel       | 100 ft   | 612825267379 |          |
| 9986 0031000 | Orange      | Reel       | 1,000 ft | 612825267386 | P        |
| 9986 002100  | Red         | Reel       | 100 ft   | 612825267355 |          |
| 9986 0021000 | Red         | Reel       | 1,000 ft | 612825267362 | P        |
| 9986 0071000 | Violet      | Reel       | 1,000 ft | 612825267416 | P        |
| 9986 009100  | White       | Reel       | 100 ft   | 612825267430 |          |
| 9986 0091000 | White       | Reel       | 1,000 ft | 612825267447 | P        |
| 9986 0041000 | Yellow      | Reel       | 1,000 ft | 612825267393 | P        |

Footnote: P - STRIPE COLORS ON STOCK SOLID COLORS. STRIPPING ADDER OF \$8.00/M= FOR 1 OR 2 STRIPES. 10,000' MINIMUM ORDER FOR COLOR COMBINATION. PUT-UP WILL BE SUBJECT TO TWO PIECES (+ OR -) 10% PER SPOOL, WITH A MINIMUM LENGTH OF 100'.

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