



**Part Number:** 9986

Lead Wire, #28 Str TC, PVC Ins, AWM 1061 CSA AWM

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**Product Description**

Low Temp Plastic Lead Wire, 28AWG (7x36) Tinned Copper, PVC Insulation, AWM 1061 CSA AWM 300V 80C

**Technical Specifications**

**Physical Characteristics (Overall)**

**Conductor**

| AWG | Stranding | Material           | No. of Conductors |
|-----|-----------|--------------------|-------------------|
| 28  | 7x36      | TC - Tinned Copper | 1                 |

|                  |        |
|------------------|--------|
| Conductor Count: | 1      |
| Conductor Size:  | 28 AWG |

**Insulation**

| Material                 | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.035 in         | 0.01 in                |

**Outer Jacket Material**

| Material  |
|-----------|
| No Jacket |

**Electrical Characteristics**

**Conductor DCR**

| Max. Conductor DCR | Nominal Conductor DCR | Nominal Outer Shield DCR |
|--------------------|-----------------------|--------------------------|
| 6.6 Ohm/1000ft     |                       | 6.6 Ohm/km               |
|                    | 6.6 Ohm/1000ft        |                          |
|                    | 6.6 Ohm/1000ft        |                          |

**High Frequency (Nominal/Typical)**

| Nom. Insertion Loss |
|---------------------|
| 6.7 dB/100m         |
| 6.7 dB/100m         |

**Unbalanced Crosstalk**

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

**Voltage**

| Non-UL Voltage Rating | UL Voltage Rating |
|-----------------------|-------------------|
| 300 V                 | 300 V             |

**Temperature Range**

|                     |      |
|---------------------|------|
| Non-UL Temp Rating: | 80°C |
| UL Temp Rating:     | 80°C |

## Mechanical Characteristics

|                    |              |
|--------------------|--------------|
| Bulk Cable Weight: | 1 lbs/1000ft |
|--------------------|--------------|

### Dimensions (WxHxD)

|       |
|-------|
| Width |
| 6.66  |

## Standards

|                         |                |
|-------------------------|----------------|
| UL Rating:              | 300V RMS, 80°C |
| UL AWM Style:           | AWM 1061       |
| CSA Rating:             | 300V RMS, 80°C |
| CSA AWM Specification:  | AWM I A/B      |
| CSA Type:               | AWM I, A/B     |
| Military Specification: | N/A            |

## Applicable Environmental and Other Programs

|                                       |                               |
|---------------------------------------|-------------------------------|
| EU Directive 2000/53/EC (ELV):        | Yes                           |
| EU Directive 2003/96/EC (BFR):        | Yes                           |
| EU Directive 2011/65/EU (ROHS II):    | Yes                           |
| EU Directive 2012/19/EU (WEEE):       | Yes                           |
| EU Directive 2015/863/EU:             | Yes                           |
| EU Directive Compliance:              | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                           | Yes                           |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2005-10-01                    |
| CA Prop 65 (CJ for Wire & Cable):     | Yes                           |
| MII Order #39 (China RoHS):           | Yes                           |

## Flammability, LSOH, Toxicity Testing

|                    |           |
|--------------------|-----------|
| UL Flammability:   | VW-1      |
| CSA Flammability:  | FT1       |
| UL voltage rating: | 300 V RMS |

## Plenum/Non-Plenum

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

## Part Number

### Variants

| Item #       | Color       | Footnote |
|--------------|-------------|----------|
| 9986 010100  | Black       |          |
| 9986 0101000 | Black       | P        |
| 9986 0131000 | Blue, Dark  | P        |
| 9986 0011000 | Brown       | P        |
| 9986 0081000 | Gray        | P        |
| 9986 0051000 | Green, Dark | P        |
| 9986 003100  | Orange      |          |
| 9986 0031000 | Orange      | P        |
| 9986 002100  | Red         |          |
| 9986 0021000 | Red         | P        |
| 9986 0071000 | Violet      | P        |
| 9986 009100  | White       |          |
| 9986 0091000 | White       | P        |
| 9986 0041000 | Yellow      | P        |

|           |                                                                                                                                                                                                                                   |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Footnote: | P - STRIPE COLORS ON STOCK SOLID COLORS. STRIPING 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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