



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. 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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