



**Part Number: 9986**

Hook-Up/ Lead Wire, UL AWM Style 1061, (1) 28 AWG (7x36) TC, PVC, 300V RMS, 80°C

## Product Description

One 28 AWG stranded (7x36) tinned copper conductor, PVC insulation.

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

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

|                  |   |
|------------------|---|
| Conductor Count: | 1 |
|------------------|---|

#### Insulation

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

### 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                   |

#### High Freq

| Max. Insertion Loss (Attenuation) | Min. ACR [dB] |
|-----------------------------------|---------------|
| 6.6 dB/100m                       |               |
| 6.6 dB/100m                       |               |
|                                   | 6.7 dB        |

#### 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, LS0H, Toxicity Testing

|                   |      |
|-------------------|------|
| UL Flammability:  | VW-1 |
| CSA Flammability: | FT1  |

Part Number

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

Variants

| Item #       | Color       |
|--------------|-------------|
| 9986 010100  | BLACK       |
| 9986 0101000 | BLACK       |
| 9986 0131000 | BLUE, DARK  |
| 9986 0011000 | BROWN       |
| 9986 0081000 | GRAY        |
| 9986 0051000 | GREEN, DARK |
| 9986 003100  | ORANGE      |
| 9986 0031000 | ORANGE      |
| 9986 002100  | RED         |
| 9986 0021000 | RED         |
| 9986 0071000 | VIOLET      |
| 9986 009100  | WHITE       |
| 9986 0091000 | WHITE       |
| 9986 0041000 | YELLOW      |

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