

**Part Number:** 9981  
UL AWM Style 1061



## Product Description

Tinned copper conductor, semi-rigid PVC insulation (solid conductors suitable for wire wrap applications).

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

| AWG                                | Stranding | Material           | No. of Conductors |
|------------------------------------|-----------|--------------------|-------------------|
| 18                                 | 19x30     | TC - Tinned Copper | 1                 |
| <b>Total Number of Conductors:</b> |           |                    | 1                 |

#### Insulation:

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

#### Outerjacket 1:

| Nominal Diameter |
|------------------|
| 0.066 mm         |

### Electrical Characteristics

#### Conductor DCR:

| Nominal Conductor DCR |
|-----------------------|
| 6.5 Ohm/km            |

#### High Frequency (Nominal/Typical):

| Nom. Insertion Loss |
|---------------------|
| 6.5 db/100m         |
| 6.5 db/100m         |
| 6.5 db/100m         |

## High Freq:

| Max. Insertion Loss (Attenuation) |
|-----------------------------------|
| 6.5 db/100m                       |
| 6.5 db/100m                       |

## Performance:

| TIA |
|-----|
| 6.4 |

## Use

## Safety

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

## Temperature Range

## Mechanical Characteristics

## Part Number

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

## Standards

|                                   |                               |
|-----------------------------------|-------------------------------|
| CA Prop 65 (CJ for Wire & Cable): | Yes                           |
| CSA Rating:                       | 300V RMS, 80°C                |
| CSA Type:                         | AWM I, A/B                    |
| MII Order #39 (China RoHS):       | Yes                           |
| UL AWM Style:                     | 1061                          |
| UL Rating:                        | 300V RMS, 80°C                |
| EU Directive Compliance:          | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                       | Yes                           |

## Product Variants

| Part Number  | Color       | Put-Up Type | Length  |
|--------------|-------------|-------------|---------|
| 9981 0011000 | BROWN       | Reel        | 1000 ft |
| 9981 001100  | BROWN       | Reel        | 100 ft  |
| 9981 0021000 | RED         | Reel        | 1000 ft |
| 9981 002100  | RED         | Reel        | 100 ft  |
| 9981 0031000 | ORANGE      | Reel        | 1000 ft |
| 9981 003100  | ORANGE      | Reel        | 100 ft  |
| 9981 0041000 | YELLOW      | Reel        | 1000 ft |
| 9981 004100  | YELLOW      | Reel        | 100 ft  |
| 9981 0051000 | GREEN, DARK | Reel        | 1000 ft |
| 9981 005100  | GREEN, DARK | Reel        | 100 ft  |
| 9981 0071000 | VIOLET      | Reel        | 1000 ft |
| 9981 007100  | VIOLET      | Reel        | 100 ft  |
| 9981 0081000 | GRAY        | Reel        | 1000 ft |
| 9981 0091000 | WHITE       | Reel        | 1000 ft |
| 9981 009100  | WHITE       | Reel        | 100 ft  |
| 9981 0101000 | BLACK       | Reel        | 1000 ft |
| 9981 010100  | BLACK       | Reel        | 100 ft  |
| 9981 0131000 | BLUE, DARK  | Reel        | 1000 ft |
| 9981 013100  | BLUE, DARK  | Reel        | 100 ft  |

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