



**Product:** [9983](#) 

Lead Wire, #22 Str TC, PVC Ins, AWM 1061 CSA AWM

 [Request Sample](#)

**Product Description**

Low Temp Plastic Lead Wire, 22AWG (7x30) Tinned Copper, PVC Insulation, AWM 1061 CSA AWM 300V 80C

**Technical Specifications**

**Physical Characteristics (Overall)**

**Conductor**

| AWG | Stranding | Material           | No. of Conductors |
|-----|-----------|--------------------|-------------------|
| 22  | 7x30      | TC - Tinned Copper | 1                 |

Conductor Count: 1

**Insulation**

| Material                 | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.05 in          | 0.01 in                |

**Electrical Characteristics**

**Conductor DCR**

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 15 Ohm/1000ft         | 6.5 Ohm/km               |
| 6.5 Ohm/1000ft        |                          |
| 6.5 Ohm/1000ft        |                          |
| 6.5 Ohm/1000ft        |                          |

**High Frequency (Nominal/Typical)**

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

**Current**

| Element                                    | Max. Recommended Current [A] |
|--------------------------------------------|------------------------------|
| Single conductor in free air @ 30C ambient | 10.0 A                       |

**Voltage**

| Description   | Non-UL Voltage Rating | UL Voltage Rating | Voltage Rating [V] |
|---------------|-----------------------|-------------------|--------------------|
| Mil-W-16878/4 | 300 V                 | 300 V             | 600 V              |

**Temperature Range**

|                       |                |
|-----------------------|----------------|
| Non-UL Temp Rating:   | 80°C           |
| UL Temp Rating:       | 80°C           |
| Operating Temp Range: | -20°C To +80°C |

**Mechanical Characteristics**

|                    |              |
|--------------------|--------------|
| Bulk Cable Weight: | 3 lbs/1000ft |
|--------------------|--------------|

**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                    |
| MII Order #39 (China RoHS):           | Yes                           |

Flammability, LS0H, 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       | Putup Type | Length    | UPC          |
|---------------|-------------|------------|-----------|--------------|
| 9983 010100   | Black       | Reel       | 100 ft    | 612825349921 |
| 9983 0101000  | Black       | Reel       | 1,000 ft  | 612825266815 |
| 9983 01010000 | Black       | Reel       | 10,000 ft | 612825266822 |
| 9983 013100   | Blue, Dark  | Reel       | 100 ft    | 612825266853 |
| 9983 0131000  | Blue, Dark  | Reel       | 1,000 ft  | 612825266860 |
| 9983 001100   | Brown       | Reel       | 100 ft    | 612825266570 |
| 9983 0011000  | Brown       | Reel       | 1,000 ft  | 612825266587 |
| 9983 0081000  | Gray        | Reel       | 1,000 ft  | 612825266747 |
| 9983 005100   | Green, Dark | Reel       | 100 ft    | 612825266693 |
| 9983 0051000  | Green, Dark | Reel       | 1,000 ft  | 612825266709 |
| 9983 003100   | Orange      | Reel       | 100 ft    | 612825266648 |
| 9983 0031000  | Orange      | Reel       | 1,000 ft  | 612825266655 |
| 9983 002100   | Red         | Reel       | 100 ft    | 612825266617 |
| 9983 0021000  | Red         | Reel       | 1,000 ft  | 612825266624 |
| 9983 0071000  | Violet      | Reel       | 1,000 ft  | 612825266723 |
| 9983 009100   | White       | Reel       | 100 ft    | 612825266778 |
| 9983 0091000  | White       | Reel       | 1,000 ft  | 612825266785 |
| 9983 004100   | Yellow      | Reel       | 100 ft    | 612825266679 |
| 9983 0041000  | Yellow      | Reel       | 1,000 ft  | 612825266686 |

|           |                                                                                                                                                                                                                                   |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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'. |
| Footnote: | C - CRATE REEL PUT-UP.                                                                                                                                                                                                            |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.300 Revision Date: 04-28-2020 |
|----------------------|--------------------------------------------------|

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