



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, 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 | 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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