



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

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

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### 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:

##### 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
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#### 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
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### Part Number

#### Variants

Item #	Color	UPC	Length	Footnote
9983 010100	Black	612825349921	100 ft	
9983 0101000	Black	612825266815	1,000 ft	P
9983 01010000	Black	612825266822	10,000 ft	
9983 013100	Blue, Dark	612825266853	100 ft	
9983 0131000	Blue, Dark	612825266860	1,000 ft	P
9983 001100	Brown	612825266570	100 ft	
9983 0011000	Brown	612825266587	1,000 ft	P
9983 0081000	Gray	612825266747	1,000 ft	P
9983 005100	Green, Dark	612825266693	100 ft	
9983 0051000	Green, Dark	612825266709	1,000 ft	P
9983 003100	Orange	612825266648	100 ft	
9983 0031000	Orange	612825266655	1,000 ft	P
9983 002100	Red	612825266617	100 ft	
9983 0021000	Red	612825266624	1,000 ft	P
9983 0071000	Violet	612825266723	1,000 ft	P
9983 009100	White	612825266778	100 ft	
9983 0091000	White	612825266785	1,000 ft	C P
9983 004100	Yellow	612825266679	100 ft	
9983 0041000	Yellow	612825266686	1,000 ft	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'.
Footnote:	C - CRATE REEL PUT-UP.

### History

Update and Revision:	Revision Number: 0.295 Revision Date: 04-08-2020
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