



**Product:** [8918](#)

Lead Wire, #18 Str TC, PVC Ins, AWM 1015 AWM 1230

[Request Sample](#)

## Product Description

Low Temp Plastic Lead Wire, 18AWG (16x30) Tinned Copper, PVC Insulation, AWM 1015 AWM 1230 CSA TYPE TEW JQA-F 600V 105C

## Technical Specifications

### Product Overview

Suitable Applications:	inter-connection circuits, internal wiring of computer and electronic equipments, internal wiring of appliances, machine tool wire
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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Conductors
18	16x30	TC - Tinned Copper	1

Conductor Count:	1
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#### Insulation

Material	Nominal Diameter	Nominal Wall Thickness	Min. Average Wall Thickness
PVC - Polyvinyl Chloride	0.11 in	0.033 in	0.03 in

### Electrical Characteristics

#### Conductor DCR

<b>Nominal Conductor DCR</b>
6.5 Ohm/1000ft

#### Current

Element	Max. Recommended Current [A]
Single conductor in free air @ 30C ambient	Single conductor in free air @ 30°C: 20 A

#### Voltage

<b>UL Voltage Rating</b>
600 V RMS

### Temperature Range

UL Temp Rating:	105°C
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### Mechanical Characteristics

Bulk Cable Weight:	10 lbs/1000ft
Min Bend Radius/Minor Axis:	0.44 in

### Standards

NEC Articles:	Article 310
NEC/(UL) Compliance:	MTW
UL AWM Style Compliance:	UL AWM Styles 1015, 1230
CSA Rating:	600 V, 105°C

CSA AWM Compliance:	CSA AWM I A/B
CSA Type:	AWM I A/B or TEW

### 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):	2005-07-01
CA Prop 65:	Yes
MII Order #39 (China RoHS):	Yes

### Flammability, LSOH, Toxicity Testing

UL Flammability:	VW-1
CSA Flammability:	FT1
UL voltage rating:	600 V RMS

### Plenum/Non-Plenum

Plenum (Y/N):	No
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### Part Number

#### Variants

Item #	Color	Putup Type	Length	UPC
8918 010100	Black	Reel	100 ft	612825219989
8918 0101000	Black	Reel	1,000 ft	612825219996
8918 0105000	Black	Reel	5,000 ft	612825220008
8918 013100	Blue, Dark	Reel	100 ft	612825220060
8918 0131000	Blue, Dark	Reel	1,000 ft	612825220077
8918 0135000	Blue, Dark	Reel	5,000 ft	612825220084
8918 001100	Brown	Reel	100 ft	612825219606
8918 0011000	Brown	Reel	1,000 ft	612825219613
8918 0081000	Gray	Reel	1,000 ft	612825219866
8918 0085000	Gray	Reel	5,000 ft	612825219873
8918 005100	Green, Dark	Reel	100 ft	612825219804
8918 0051000	Green, Dark	Reel	1,000 ft	612825219811
8918 0055000	Green, Dark	Reel	5,000 ft	
8918 189100	Green, Yellow Stripe	Reel	100 ft	612825220107
8918 1891000	Green, Yellow Stripe	Reel	1,000 ft	612825348030
8918 003100	Orange	Reel	100 ft	612825219699
8918 0031000	Orange	Reel	1,000 ft	612825219705
8918 002100	Red	Reel	100 ft	612825219637
8918 0021000	Red	Reel	1,000 ft	612825219644
8918 0025000	Red	Reel	5,000 ft	612825219651
8918 0071000	Violet	Reel	1,000 ft	612825219842
8918 009100	White	Reel	100 ft	612825219903
8918 0091000	White	Reel	1,000 ft	612825219910
8918 0095000	White	Reel	5,000 ft	612825219927
8918 004100	Yellow	Reel	100 ft	612825219743
8918 0041000	Yellow	Reel	1,000 ft	612825219750
8918 0045000	Yellow	Reel	5,000 ft	612825219767

Footnote:	C - CRATE REEL PUT-UP.
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:	A - STOCKED STRIPE COLORS.

## History

Update and Revision:	Revision Number: 0.301 Revision Date: 11-17-2020
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