



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

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

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## 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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### Construction Details

#### Conductor

Element	Number of Element	Size	Stranding	Material
Conductor(s)	1	18 AWG	16x30	TC - Tinned Copper

#### Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
PVC - Polyvinyl Chloride	0.033 in (0.84 mm)	0.11 in (2.8 mm)

Overall Cable Diameter (Nominal):	0.11 in (2.8 mm)
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### Electrical Characteristics

#### Electricals

Nom. Conductor DCR	Max. Current
6.5 Ohm/1000ft	Single conductor in free air @ 30°C: 20 A

#### Voltage

##### UL Voltage Rating

600 V RMS
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### Mechanical Characteristics

#### Temperature

UL Temperature	Operating
105°C	-30°C To +105°C

#### Bend Radius

Stationary Min.	Installation Min.
1.1 in (28 mm)	1.1 in (28 mm)

Max. Pull Tension:	27 lbs (12 kg)
Bulk Cable Weight:	10 lbs/1000ft

### Standards and Compliance

Environmental Suitability:	Indoor, Outdoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	VW-1, FT1
NEC / UL Compliance:	Article 310, MTW

AWM Compliance:	AWM 1015, AWM 1230, CSA AWM I A/B
CEC / C(UL) Compliance:	TEW
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## History

Update and Revision:	Revision Number: 0.438 Revision Date: 08-19-2022
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## Part Numbers

### 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

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