



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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Construction Details

Conductor

Element	No. of Elements	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

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

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: 0.488 Revision Date: 09-07-2025
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Part Numbers

Variants

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

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