

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

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)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
6.5 Ohm/1000ft	Single conductor in free air @ 30ºC: 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: 0.485 Revision Date: 04-19-2023

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

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