



**Product:** [9912](#)

Lead Wire, #12 Str TC, PVC Ins, AWM 1015 AWM 1230

[Request Sample](#)

**Product Description**

Low Temp Plastic Lead Wire, 12AWG (65x30) 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
12	65x30	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	0.158 in	0.035 in	0.03 in

**Construction and Dimensions**

**Cabling**

<b>Twists</b>
6 twist/ft

**Electrical Characteristics**

**Conductor DCR**

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

**Current**

Element	Max. Recommended Current [A]
Single conductor in free air @ 30C ambient	Single conductor in free air @ 30°C: 51 A

**Voltage**

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

**Temperature Range**

Non-UL Temp Rating:	105°C
UL Temp Rating:	105°C
Operating Temp Range:	-25°C To +105°C

**Mechanical Characteristics**

Bulk Cable Weight:	27.8 lbs/1000ft
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Min Bend Radius/Minor Axis:	0.64 in
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## Standards

NEC Articles:	Article 310
NEC/(UL) Compliance:	MTW or TW
UL Rating:	600V, 105°C
UL AWM Style Compliance:	UL AWM Styles 1015, 1230
CSA Rating:	600V, 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 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	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

## Part Number

### Variants

Item #	Color	Putup Type	Length	UPC
9912 010100	Black	Reel	100 ft	612825261520
9912 010250	Black	Reel	250 ft	612825261544
9912 0102000	Black	Reel	2,000 ft	612825261537
9912 013100	Blue, Dark	Reel	100 ft	612825261575
9912 013250	Blue, Dark	Reel	250 ft	612825261582
9912 001100	Brown	Reel	100 ft	612825261278
9912 008250	Gray	Reel	250 ft	612825261421
9912 005100	Green, Dark	Reel	100 ft	612825261377
9912 005250	Green, Dark	Reel	250 ft	612825261391
9912 0052000	Green, Dark	Reel	2,000 ft	612825261384
9912 003250	Orange	Reel	250 ft	612825261322
9912 002100	Red	Reel	100 ft	612825261292
9912 002250	Red	Reel	250 ft	612825261315
9912 0022000	Red	Reel	2,000 ft	612825261308
9912 009100	White	Reel	100 ft	612825261452
9912 009250	White	Reel	250 ft	612825261476
9912 0092000	White	Reel	2,000 ft	612825261469
9912 004100	Yellow	Reel	100 ft	612825261339
9912 004250	Yellow	Reel	250 ft	612825261346

Footnote:	C - CRATE REEL PUT-UP.
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## History

Update and Revision:	Revision Number: 0.330 Revision Date: 03-16-2021
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