



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

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

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### 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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#### Construction Details

##### Conductor

Element	Number of Element	Size	Stranding	Material
Conductor(s)	1	12 AWG	65x30	TC - Tinned Copper

##### Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
PVC - Polyvinyl Chloride	0.036 in (0.91 mm)	0.158 in (4.01 mm)

Overall Cable Diameter (Nominal):	0.158 in (4.01 mm)
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#### Electrical Characteristics

##### Electricals

Nom. Conductor DCR	Max. Current
1.65 Ohm/1000ft	Single conductor in free air @ 30°C: 51 A

##### Voltage

UL Voltage Rating
600 V RMS

#### Mechanical Characteristics

##### Temperature

UL Temperature	Operating
105°C	-25°C To +105°C

##### Bend Radius

Stationary Min.	Installation Min.
1.58 in (40.1 mm)	1.58 in (40.1 mm)

Max. Pull Tension:	84.5 lbs (38.3 kg)
Bulk Cable Weight:	28 lbs/1000ft

#### Standards and Compliance

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

AWM Compliance:	AWM 1015, AWM 1230, 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)

## History

Update and Revision:	Revision Number: 0.497 Revision Date: 01-20-2023
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## Part Numbers

### 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

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