

Product: [9906](#)


Lead Wire, #6 Str TC, PVC Ins, AWM 1283 AWM 1232 AWM 1015

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Product Description

Low Temp Plastic Lead Wire, 6AWG (133x27) Tinned Copper, PVC Insulation, AWM 1283 AWM 1232 AWM 1015 CSA TYPE TEW 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	6	133x27	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
PVC - Polyvinyl Chloride	0.063 in (1.6 mm)	0.331 in (8.41 mm)

Overall Cable Diameter (Nominal): 0.331 in (8.41 mm)

Electrical Characteristics
Electricals

Nom. Conductor DCR	Max. Current
0.41 Ohm/1000ft	Single conductor in free air @ 30°C: 121 A

Voltage

UL Voltage Rating
600 V RMS

Mechanical Characteristics
Temperature

UL Temperature
105°C

Bend Radius

Stationary Min.	Installation Min.
1.33 in (33.8 mm)	1.33 in (33.8 mm)
Max. Pull Tension:	333 lbs (151 kg)
Bulk Cable Weight:	117 lbs/1000ft

Standards and Compliance

Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	VW-1
NEC / UL Compliance:	Article 310, MTW or THW
AWM Compliance:	AWM 1015, AWM 1232, AWM 1283, 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)

History

Update and Revision:	Revision Number: 0.475 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
9906 010100	Black	Reel	100 ft	612825260486	C
9906 0101000	Black	Reel	1,000 ft	612825260493	C
9906 013100	Blue, Dark	Reel	100 ft	612825260509	C
9906 001100	Brown	Reel	100 ft	612825260363	
9906 0011000	Brown	Reel	1,000 ft	612825260370	
9906 0081000	Gray	Reel	1,000 ft	612825260455	
9906 005100	Green, Dark	Reel	100 ft	612825260431	C
9906 0051000	Green, Dark	Reel	1,000 ft	612825260448	C
9906 002100	Red	Reel	100 ft	612825260387	C
9906 0021000	Red	Reel	1,000 ft	612825260394	C
9906 009100	White	Reel	100 ft	612825260462	C
9906 0091000	White	Reel	1,000 ft	612825260479	
9906 004100	Yellow	Reel	100 ft	612825260400	

Footnote:	C - CRATE REEL PUT-UP.
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