



Product: [9906](#)

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

[Request Sample](#)

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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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
6	133x27	TC - Tinned Copper	1

Conductor Count:	1
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Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.331 in	0.063 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
0.41 Ohm/1000ft

Current

Element	Max. Recommended Current [A]
Single conductor in free air @ 30C ambient	Single conductor in free air @ 30°C: 121 A

Voltage

UL Voltage Rating
600 V RMS

Temperature Range

Non-UL Temp Rating:	105°C
UL Temp Rating:	105°C

Mechanical Characteristics

Bulk Cable Weight:	117 lbs/1000ft
Min Bend Radius/Minor Axis:	1.33 in

Standards

NEC Articles:	Article 310
NEC/(UL) Compliance:	MTW or THW
UL Rating:	600V, 105°C

UL AWM Style Compliance:	UL AWM Styles 1015, 1232, 1283
CSA Rating:	600V, 105°C
CSA AWM Compliance:	CSA AWM I A/B
CSA Type:	TEW or AWM I A/B

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 II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	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
UL voltage rating:	600 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Putup Type	Length	UPC
9906 010100	Black	Reel	100 ft	612825260486
9906 0101000	Black	Reel	1,000 ft	612825260493
9906 013100	Blue, Dark	Reel	100 ft	612825260509
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
9906 0051000	Green, Dark	Reel	1,000 ft	612825260448
9906 002100	Red	Reel	100 ft	612825260387
9906 0021000	Red	Reel	1,000 ft	612825260394
9906 009100	White	Reel	100 ft	612825260462
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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History

Update and Revision:	Revision Number: 0.315 Revision Date: 11-17-2020
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