



Part Number: 9918

Lead Wire, #18 Str TC, PVC Ins, AWM 1007 AWM 1569

 [Request Sample](#)

Product Description

Low Temp Plastic Lead Wire, 18AWG (16x30) Tinned Copper, PVC Insulation, AWM 1007 AWM 1569 CSA TYPE TR-64 TRSR-64

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors	No. of Pairs
18	16x30	TC - Tinned Copper	1	6

Conductor Count: 1

Insulation

Material	Nominal Diameter	Nominal Wall Thickness	Min. Average Wall Thickness
PVC - Polyvinyl Chloride	0.079 in	0.017 in	0.015 in

Outer Jacket Material

Material	Nominal Diameter
No Jacket	0.079 in

Construction and Dimensions

Stranding

Twists
6 twist/ft

Cabling

Twists
6 twist/ft

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
5.9 Ohm/1000ft

Current

Element	Max. Recommended Current [A]
Single conductor in free air @ 30C ambient	Single conductor in free air @ 30C ambient 20 amps

Voltage

UL Voltage Rating
300 V

Temperature Range

UL Temp Rating:	105°C
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Mechanical Characteristics

Bulk Cable Weight:	6 lbs/1000ft
Min Bend Radius/Minor Axis:	6 in

Standards

UL Rating:	300V RMS, 80°C and 300V, 105°C
UL AWM Style:	UL Style 1007 (300 V 80°C), UL Style 1569 (300 V 105°C)
CSA Rating:	300V RMS, 105°C
CSA Type:	TRSR-64
Military Specification:	N/A

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):	2005-10-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MIL Order #39 (China RoHS):	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	VW-1
CSA Flammability:	FT1
UL voltage rating:	300 V RMS

Part Number

Variants

Item #	Color	UPC	Length	Footnote
9918 010100	Black	612825262404	100 ft	
9918 0101000	Black	612825349853	1,000 ft	P
9918 0105000	Black	612825262411	5,000 ft	C K Z
9918 013100	Blue, Dark	612825262442	100 ft	
9918 0131000	Blue, Dark	612825262459	1,000 ft	P
9918 0135000	Blue, Dark	612825262466	5,000 ft	C P
9918 006100	Blue, Light	612825262299	100 ft	
9918 0061000	Blue, Light	612825262305	1,000 ft	
9918 001100	Brown	612825262138	100 ft	
9918 0011000	Brown	612825262145	1,000 ft	P
9918 0015000	Brown	612825262152	5,000 ft	C P
9918 008100	Gray	612825262343	100 ft	
9918 0081000	Gray	612825349846	1,000 ft	P
9918 005100	Green, Dark	612825262268	100 ft	
9918 0051000	Green, Dark	612825262275	1,000 ft	P
9918 0055000	Green, Dark	612825262282	5,000 ft	C
9918 003100	Orange	612825262213	100 ft	
9918 0031000	Orange	612825262220	1,000 ft	P
9918 002100	Red	612825262176	100 ft	
9918 0021000	Red	612825262183	1,000 ft	P
9918 0025000	Red	612825262190	5,000 ft	C
9918 007100	Violet	612825262329	100 ft	
9918 0071000	Violet	612825262336	1,000 ft	P
9918 009100	White	612825262367	100 ft	

9918 0091000	White	612825262374	1,000 ft	P
9918 0095000	White	612825262381	5,000 ft	C
9918 004100	Yellow	612825262237	100 ft	
9918 0041000	Yellow	612825262244	1,000 ft	P

Footnote:	P - STRIPE COLORS ON STOCK SOLID COLORS. STRIPING ADDER OF \$8.00/M= FOR 1 OR 2 STRIPES. 10,000' MINIMUM ORDER FOR COLOR COMBINATION. PUT-UP WILL BE SUBJECT TO TWO PIECES (+ OR -) 10% PER SPOOL, WITH A MINIMUM LENGTH OF 100'.
Footnote:	C - CRATE REEL PUT-UP.
Footnote:	K - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 500'.
Footnote:	Z - FINAL PUT-UP MAY VARY (= OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

History

Update and Revision:	Revision Number: 0.285 Revision Date: 08-22-2019
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