




Product: [8899](#) 

Lead Wire, #18 Str TC, EPDM Ins, 5000V 90C

 [Request Sample](#)

Product Description

Low Temp Rubber Lead Wire, 18AWG (65x36) Tinned Copper, EPDM Insulation, 5000V 90C

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
18	65x36	TC - Tinned Copper	1

Conductor Count:	1
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Insulation

Material	Nominal Diameter	Nominal Wall Thickness
EPDM - Ethylene Propylene Diene Monomer	0.144 in	0.0485 in

Outer Jacket Material

Nominal Diameter
0.144 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
6.5 Ohm/1000ft

Current

Element	Max. Recommended Current [A]
10C temperature rise	10C temperature rise 8 amps @ 25C ambient

Voltage

Breakdown Voltage	Suggested Working Voltage
20,000 V RMS	5,000 V RMS

Temperature Range

Operating Temp Range:	-40°C To +90°C
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Mechanical Characteristics

Bulk Cable Weight:	15 lbs/1000ft
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Standards

UL AWM Style:	N/A
Military Specification:	N/A

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
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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:	No
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
MII Order #39 (China RoHS):	Yes

Flammability, LS0H, Toxicity Testing

UL voltage rating:	N/A
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Putup Type	Length	UPC
8899 01025	Black	Reel	25 ft	612825217817
8899 010100	Black	Reel	100 ft	612825217794
8899 010500	Black	Reel	500 ft	612825217824
8899 010U500	Black	Reel	500 ft	612825217787
8899 0101000	Black	Reel	1,000 ft	612825217800
8899 010U1000	Black	Reel	1,000 ft	612825217770
8899 006100	Blue, Light	Reel	100 ft	612825217732
8899 006500	Blue, Light	Reel	500 ft	612825217749
8899 005100	Green, Dark	Reel	100 ft	612825217718
8899 005500	Green, Dark	Reel	500 ft	612825217725
8899 00225	Red	Reel	25 ft	612825217671
8899 002100	Red	Reel	100 ft	612825217657
8899 002500	Red	Reel	500 ft	612825217688
8899 002U500	Red	Reel	500 ft	612825217640
8899 0021000	Red	Reel	1,000 ft	612825217664
8899 002U1000	Red	Reel	1,000 ft	612825217633
8899 009100	White	Reel	100 ft	612825217756
8899 009500	White	Reel	500 ft	612825217763
8899 004100	Yellow	Reel	100 ft	612825217695
8899 004500	Yellow	Reel	500 ft	612825217701

Footnote:	C - CRATE REEL PUT-UP.
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Product Notes

Notes:	Breakdown Voltage: 20,000 V RMS Suggested Working Voltage: 5000 V RMS
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History

Update and Revision:	Revision Number: 0.275 Revision Date: 04-28-2020
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