



Product: [9923](#)

Lead Wire, #24 Str TC, PVC Ins, AWM 1007 AWM 1569

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Product Description

Low Temp Plastic Lead Wire, 24AWG (7x32) 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
24	7x32	TC - Tinned Copper	1

Conductor Count: 1

Insulation

Material	Nominal Diameter	Nominal Wall Thickness	Min. Average Wall Thickness
PVC - Polyvinyl Chloride	0.056 in	0.016 in	0.015 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
23.25 Ohm/1000ft

High Frequency (Nominal/Typical)

Nom. Insertion Loss
6.3 dB/100m
6.3 dB/100m

Current

Element	Max. Recommended Current [A]
Single conductor in free air @ 30C ambient	7.0 A

Voltage

Non-UL Voltage Rating	UL Voltage Rating
300 V	300 V

Temperature Range

Non-UL Temp Rating:	105°C
UL Temp Rating:	105°C
Operating Temp Range:	-20°C To +105°C

Mechanical Characteristics

Bulk Cable Weight:	2.6 lbs/1000ft
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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 AWM Specification:	TRSR-64
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
MII Order #39 (China RoHS):	Yes

Flammability, LSOH, Toxicity Testing

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

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Putup Type	Length	UPC
9923 010100	Black	Reel	100 ft	612825263463
9923 0101000	Black	Reel	1,000 ft	612825263470
9923 0105000	Black	Reel	5,000 ft	612825263487
9923 0131000	Blue, Dark	Reel	1,000 ft	612825263494
9923 0011000	Brown	Reel	1,000 ft	612825263364
9923 0081000	Gray	Reel	1,000 ft	612825263425
9923 0051000	Green, Dark	Reel	1,000 ft	612825263401
9923 0031000	Orange	Reel	1,000 ft	612825263388
9923 002100	Red	Reel	100 ft	612825263371
9923 0021000	Red	Reel	1,000 ft	612825349884
9923 0025000	Red	Reel	5,000 ft	
9923 0071000	Violet	Reel	1,000 ft	612825263418
9923 009100	White	Reel	100 ft	612825263432
9923 0091000	White	Reel	1,000 ft	612825263449
9923 0041000	Yellow	Reel	1,000 ft	612825263395

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.

History

Update and Revision:	Revision Number: 0.295 Revision Date: 04-28-2020
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