



Product: [8597](#)

Lead Wire, #28 Str TC, PVC Ins, TYPE B MIL-W-16878/1

Request Sample

Product Description

Low Temp Plastic Lead Wire, 28AWG (7x36) Tinned Copper, PVC Insulation, TYPE B MIL-W-16878/1 600V 105C

Technical Specifications

Product Overview

Suitable Applications:	inter-connection circuits, internal wiring of computer and electronic equipments, (Type B) MIL-W-16878/1-Low Temp applications
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
28	7x36	TC - Tinned Copper	1

Conductor Count:	1
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Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.035 in	0.01 in

Electrical Characteristics

Current

Max. Recommended Current [A]
Single conductor in free air @ 30°C: 3.4 A

Voltage

UL Voltage Rating
600 V RMS

Temperature Range

Non-UL Temp Rating:	105°C
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Mechanical Characteristics

Bulk Cable Weight:	1 lbs/1000ft
Minimum Minor Axis Bend Radius:	0.14 in

Standards

Military Compliance:	MIL-W-16878/1
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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 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes

EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
CA Prop 65:	Yes
MII Order #39 (China RoHS):	Yes

Flammability, LSOH, Toxicity Testing

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

Plenum (Y/N):	No
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Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
8597 010100	Black	Reel	100 ft	612825213369
8597 0101000	Black	Reel	1,000 ft	612825213376
8597 006100	Blue, Light	Reel	100 ft	612825213291
8597 0061000	Blue, Light	Reel	1,000 ft	612825213307
8597 0011000	Brown	Reel	1,000 ft	612825213178
8597 0081000	Gray	Reel	1,000 ft	612825213321
8597 0051000	Green, Dark	Reel	1,000 ft	612825213284
8597 0031000	Orange	Reel	1,000 ft	612825213239
8597 002100	Red	Reel	100 ft	612825213208
8597 0021000	Red	Reel	1,000 ft	612825213215
8597 0071000	Violet	Reel	1,000 ft	612825213314
8597 009100	White	Reel	100 ft	612825213338
8597 0091000	White	Reel	1,000 ft	612825213345
8597 004100	Yellow	Reel	100 ft	612825213246
8597 0041000	Yellow	Reel	1,000 ft	612825213253

History

Update and Revision:	Revision Number: 0.350 Revision Date: 02-03-2025
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