



Product: [83001](#)

Lead Wire, #28 Str SPC, TFE Ins, AWM 1213

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Product Description

High Temp Plastic Lead Wire, 28AWG (7x36) Silver Plated Copper, TFE Insulation, AWM 1213 105C TYPE E MIL-W-16878/4 600V 200C

Technical Specifications

Product Overview

Suitable Applications:	high temperature, inter-connection circuits, internal wiring of computer and electronic equipments, (Type E) MIL-W-16878/4 applications
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Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Conductor(s)	1	28 AWG	7x36	SC - Silvered Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
PTFE - Polytetrafluoroethylene	0.01 in (0.25 mm)	0.035 in (0.89 mm)

Overall Cable Diameter (Nominal):	0.035 in (0.89 mm)
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
12.3 Ohm/1000ft	Mil-Std-975M Table 3.16 (single wire): 1.8 A

Voltage

UL Voltage Rating
600 V RMS

Mechanical Characteristics

Temperature

UL Temperature	Operating
200°C	-70°C To +200°C

Bend Radius

Stationary Min.	Installation Min.
0.35 in (8.9 mm)	0.35 in (8.9 mm)

Max. Pull Tension:	3 lbs (1.4 kg)
Bulk Cable Weight:	1 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	VW-1
AWM Compliance:	AWM 1213

NEMA Compliance:	HP3
Military Compliance:	MIL-W-16878/4
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)

History

Update and Revision:	Revision Number: 0.468 Revision Date: 01-20-2023
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
83001 010100	Black	Reel	100 ft	
83001 0101000	Black	Reel	1,000 ft	612825354871
83001 006100	Blue, Light	Reel	100 ft	
83001 0061000	Blue, Light	Reel	1,000 ft	612825399193
83001 001100	Brown	Reel	100 ft	
83001 0011000	Brown	Reel	1,000 ft	612825399162
83001 008100	Gray	Reel	100 ft	
83001 0081000	Gray	Reel	1,000 ft	
83001 005100	Green, Dark	Reel	100 ft	
83001 0051000	Green, Dark	Reel	1,000 ft	
83001 003100	Orange	Reel	100 ft	
83001 0031000	Orange	Reel	1,000 ft	612825399179
83001 002100	Red	Reel	100 ft	
83001 0021000	Red	Reel	1,000 ft	612825354888
83001 007100	Violet	Reel	100 ft	
83001 0071000	Violet	Reel	1,000 ft	612825399209
83001 009100	White	Reel	100 ft	
83001 0091000	White	Reel	1,000 ft	612825378310
83001 004100	Yellow	Reel	100 ft	
83001 0041000	Yellow	Reel	1,000 ft	612825399186

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