

Product: 83001

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

Request Sample

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

Construction Details

Conductor

Element	No. of Elements	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)

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

Part Numbers

Variants

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

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