Product: 83003

Lead Wire, #24 Str SPC, TFE Ins, AWM 1213

Request Sample

Product Description

High Temp Plastic Lead Wire, 24AWG (19x36) 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

Size	Stranding	Material
24	19x36	SC - Silvered Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
PTFE - Polytetrafluoroethylene	0.01 in (0.25 mm)	0.044 in (1.1 mm)

Overall Cable Diameter (Nominal):	0.043 in (1.1 mm)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
24 Ohm/1000ft (79 Ohm/km)	Mil-Std-975M Table 3.16 (single wire): 3.3 A

Voltage

UL Voltage Rating
600 V RMS

Mechanical Characteristics

Temperature

UL Temperature	Operating
105°C	-70°C To +200°C

Bulk Cable Weight:	2 lbs/1000ft (3.0 kg/km)

Standards and Compliance

Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	VW-1
AWM Compliance:	AMW 1213
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: 0.377 Revision Date: 12-15-2021

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
83003 010100	Black	Reel	100 ft	612825354857
83003 010500	Black	Reel	500 ft	
83003 0101000	Black	Reel	1,000 ft	612825353881
83003 006100	Blue, Light	Reel	100 ft	
83003 006500	Blue, Light	Reel	500 ft	
83003 0061000	Blue, Light	Reel	1,000 ft	
83003 001100	Brown	Reel	100 ft	
83003 0011000	Brown	Reel	1,000 ft	612825399247
83003 008100	Gray	Reel	100 ft	
83003 0081000	Gray	Reel	1,000 ft	612825399285
83003 005100	Green, Dark	Reel	100 ft	
83003 005500	Green, Dark	Reel	500 ft	
83003 0051000	Green, Dark	Reel	1,000 ft	612825399278
83003 003100	Orange	Reel	100 ft	
83003 003500	Orange	Reel	500 ft	
83003 0031000	Orange	Reel	1,000 ft	612825399254
83003 002500	Red			
83003 002100	Red	Reel	100 ft	
83003 0021000	Red	Reel	1,000 ft	612825378327
83003 007100	Violet	Reel	100 ft	
83003 0071000	Violet	Reel	1,000 ft	
83003 009500	White			
83003 009100	White	Reel	100 ft	612825354840
83003 0091000	White	Reel	1,000 ft	612825378334
83003 004500	Yellow			
83003 004100	Yellow	Reel	100 ft	
83003 0041000	Yellow	Reel	1,000 ft	612825399261

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