



Product: [83025](#)

Lead Wire, #22 Str SPC, TFE Ins, AWM 1180

Request Sample

Product Description

High Temp Plastic Lead Wire, 22AWG (7x30) Silver Plated Copper, TFE Insulation, AWM 1180 300V 200C TYPE EE MIL-W-16878/5 1000V 200C

Technical Specifications

Product Overview

Suitable Applications:	high temperature, inter-connection circuits, internal wiring of computer and electronic equipments, (Type EE) MIL-W-16878/5 applications
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Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Conductor(s)	1	22	7x30	SC - Silvered Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
PTFE - Polytetrafluoroethylene	0.015 in (0.38 mm)	0.06 in (1.5 mm)

Overall Cable Diameter (Nominal):	0.060 in (1.5 mm)
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Electrical Characteristics

Electricals

Max. Current
Mil-Std-975M Table 3.16 (single wire): 4.5 A

Voltage

UL Voltage Rating
300 V RMS (UL AWM 1180), 1000 V RMS (Mil-W-16878/5)

Mechanical Characteristics

Temperature

UL Temperature
200°C

Bend Radius

Stationary Min.	Installation Min.
0.24 in (6.1 mm)	0.24 in (6.1 mm)

Max. Pull Tension:	9.1 lbs (4.1 kg)
Bulk Cable Weight:	4.3 lbs/1000ft

Standards and Compliance

Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	VW-1
AWM Compliance:	AWM 1180
NEMA Compliance:	HP3

Military Compliance:	MIL-W-16878/5
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: 0.452 Revision Date: 01-20-2023
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
83025 010100	Black	Reel	100 ft	612825354741
83025 0101000	Black	Reel	1,000 ft	612825399483
83025 006100	Blue, Light			
83025 0061000	Blue, Light	Reel	1,000 ft	612825353775
83025 0011000	Brown			612825399476
83025 001100	Brown	Reel	100 ft	
83025 0051000	Green, Dark			
83025 005100	Green, Dark	Reel	100 ft	
83025 003100	Orange	Reel	100 ft	
83025 0031000	Orange	Reel	1,000 ft	
83025 002100	Red			612825353843
83025 0021000	Red	Reel	1,000 ft	612825354734
83025 0071000	Violet			
83025 009100	White	Reel	100 ft	612825353768
83025 0091000	White	Reel	1,000 ft	612825353751
83025 0041000	Yellow			
83025 004100	Yellow	Reel	100 ft	

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