



Product: [83023](#)

Lead Wire, #24 Str SPC, TFE Ins, AWM 1180

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Product Description

High Temp Plastic Lead Wire, 24AWG (19x36) 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	24 AWG	19x36	SC - Silvered Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
PTFE - Polytetrafluoroethylene	0.015 in (0.38 mm)	0.054 in (1.4 mm)

Overall Cable Diameter (Nominal):	0.054 in (1.4 mm)
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Electrical Characteristics

Electricals

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

Voltage

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

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
0.54 in (14 mm)	0.54 in (14 mm)

Max. Pull Tension:	8 lbs (3.6 kg)
Bulk Cable Weight:	3 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor
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: 0.451 Revision Date: 06-30-2022
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
83023 010100	Black	Reel	100 ft	
83023 0101000	Black	Reel	1,000 ft	612825399469
83023 006100	Blue, Light	Reel	100 ft	
83023 0061000	Blue, Light	Reel	1,000 ft	
83023 001100	Brown	Reel	100 ft	
83023 0011000	Brown	Reel	1,000 ft	
83023 008100	Gray	Reel	100 ft	
83023 0081000	Gray	Reel	1,000 ft	612825399452
83023 005100	Green, Dark	Reel	100 ft	
83023 0051000	Green, Dark	Reel	1,000 ft	
83023 003100	Orange	Reel	100 ft	
83023 0031000	Orange	Reel	1,000 ft	
83023 002100	Red	Reel	100 ft	
83023 0021000	Red	Reel	1,000 ft	
83023 007100	Violet	Reel	100 ft	
83023 0071000	Violet	Reel	1,000 ft	
83023 009100	White	Reel	100 ft	612825353980
83023 0091000	White	Reel	1,000 ft	
83023 004100	Yellow	Reel	100 ft	
83023 0041000	Yellow	Reel	1,000 ft	

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