



Product: [83026](#)

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

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Product Description
High Temp Plastic Lead Wire, 22AWG (19x34) 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	No. of Elements	Size	Stranding	Material
Conductor(s)	1	22 AWG	19x34	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):	0.06 in (1.5 mm)
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
15.75 Ohm/1000ft	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	Operating
200°C	-70°C To +200°C

Bend Radius

Stationary Min.	Installation Min.
0.6 in (15 mm)	0.6 in (15 mm)

Max. Pull Tension:	11 lbs (5.0 kg)
Bulk Cable Weight:	4 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: 0.486 Revision Date: 07-03-2024
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
83026 010500	Black				E S
83026 010100	Black	Reel	100 ft	612825354710	E
83026 0101000	Black	Reel	1,000 ft	612825399506	
83026 006100	Blue, Light				E
83026 0061000	Blue, Light	Reel	1,000 ft		E S
83026 001100	Brown	Reel	100 ft		E
83026 0011000	Brown	Reel	1,000 ft		E S
83026 008100	Gray			612825353799	E
83026 0081000	Gray	Reel	1,000 ft		E S
83026 005100	Green, Dark	Reel	100 ft		E
83026 0051000	Green, Dark	Reel	1,000 ft	612825353744	E S
83026 003100	Orange	Reel	100 ft		E
83026 0031000	Orange	Reel	1,000 ft		E S
83026 002100	Red	Reel	100 ft		E
83026 0021000	Red	Reel	1,000 ft	612825353782	E S
83026 007100	Violet	Reel	100 ft		E
83026 0071000	Violet	Reel	1,000 ft		E S
83026 009100	White	Reel	100 ft		E
83026 0091000	White	Reel	1,000 ft	612825353805	E S
83026 004100	Yellow	Reel	100 ft		E
83026 0041000	Yellow	Reel	1,000 ft	612825399490	E S

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