



Product: [83030](#)

Lead Wire, #16 Str SPC, TFE Ins, AWM 1180

Request Sample

Product Description
High Temp Plastic Lead Wire, 16AWG (19x29) 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	16 AWG	19x29	SC - Silvered Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
PTFE - Polytetrafluoroethylene	0.016 in (0.41 mm)	0.0875 in (2.22 mm)

Overall Cable Diameter (Nominal):	0.0875 in (2.22 mm)
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
4 Ohm/1000ft	Mil-Std-975M Table 3.16 (single wire): 13 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.
0.87 in (22 mm)	0.87 in (22 mm)

Max. Pull Tension:	29 lbs (13 kg)
Bulk Cable Weight:	11 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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.481 Revision Date: 01-20-2023
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
83030 010100	Black	Reel	100 ft	612825354598
83030 010500	Black	Reel	500 ft	612825353690
83030 0101000	Black	Reel	1,000 ft	612825399629
83030 006100	Blue, Light	Reel	100 ft	612825354628
83030 0061000	Blue, Light	Reel	1,000 ft	612825399605
83030 0011000	Brown			
83030 001100	Brown	Reel	100 ft	612825354581
83030 008100	Gray	Reel	100 ft	612825354536
83030 0081000	Gray	Reel	1,000 ft	
83030 005100	Green, Dark	Reel	100 ft	612825354611
83030 0051000	Green, Dark	Reel	1,000 ft	
83030 003100	Orange			
83030 0031000	Orange	Reel	1,000 ft	612825399582
83030 002100	Red	Reel	100 ft	612825354604
83030 0021000	Red	Reel	1,000 ft	612825399575
83030 007100	Violet	Reel	100 ft	
83030 0071000	Violet	Reel	1,000 ft	
83030 009100	White	Reel	100 ft	612825354574
83030 009500	White	Reel	500 ft	
83030 0091000	White	Reel	1,000 ft	612825399612
83030 004100	Yellow			
83030 0041000	Yellow	Reel	1,000 ft	612825399599

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