



**Product:** [83029](#)

Lead Wire, #18 Str SPC, TFE Ins, AWM 1180

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**Product Description**

High Temp Plastic Lead Wire, 18AWG (19x30) 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**

Size	Stranding	Material
18	19x30	SC - Silvered Copper

**Insulation**

Material	Nom. Thickness	Nom. Insulation Diameter
PTFE - Polytetrafluoroethylene	0.015 in (0.38 mm)	0.0765 in (1.94 mm)

Overall Cable Diameter (Nominal):	0.078 in (2.0 mm)
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**Electrical Characteristics**

**Electricals**

Nom. Conductor DCR	Max. Current
5.75 Ohm/1000ft (18.9 Ohm/km)	Mil-Std-975M Table 3.16 (single wire): 9.2 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

Bulk Cable Weight:	8.5 lbs/1000ft (13 kg/km)
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**Standards and Compliance**

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