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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Part Number: 83009

Hook-Up/Lead Wire UL AWM Style 1371, (1) 18 AWG (19x30) SPC, TFE, 105°C

 [Request Sample](#)

Product Description

One 18 AWG stranded (19x30) silver plated copper conductor, TFE insulation.

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
18	19x30	SCC - Silver-coated Copper	1

Conductor Count:	1
Conductor Size:	18 AWG

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
TFE - Tetrafluoroethylene	0.068 in	0.011 in

Outer Jacket Material

Material	Nominal Diameter
No Jacket	0.068 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
5.75 Ohm/1000ft

Shielding:	Unshielded
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Current

Element	Max. Recommended Current [A]
Mil-Std-975M Table 3.16 (single wire)	Mil-Std-975M Table 3.16 (single wire): 9.2 amps

Voltage

Description	Voltage Rating [V]
Mil-W-16878/4	600 V RMS Mil-W-16878/4

Temperature Range

UL Temp Rating:	105°C
Operating Temp Range:	-70°C To +200°C

Mechanical Characteristics

Bulk Cable Weight:	8 lbs/1000ft
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Standards

UL AWM Style:	1371
Military Specification:	NEMA HP3, MIL-W-16878/4 (Except For Stranding)

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Flammability, LSOH, Toxicity Testing

UL Flammability:	VW-1
UL voltage rating:	600 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Footnote
83009 010100	Black	
83009 0101000	Black	S W
83009 010500	Black	S W
83009 006100	Blue, Light	
83009 0061000	Blue, Light	S W
83009 006500	Blue, Light	
83009 001100	Brown	
83009 0011000	Brown	S W
83009 001500	Brown	S W
83009 008100	Gray	
83009 0081000	Gray	S W
83009 008500	Gray	
83009 005100	Green, Dark	
83009 0051000	Green, Dark	S W
83009 005500	Green, Dark	S W
83009 003100	Orange	
83009 0031000	Orange	
83009 003500	Orange	S W
83009 002100	Red	
83009 0021000	Red	S W
83009 002500	Red	S W
83009 007100	Violet	
83009 0071000	Violet	S W
83009 007500	Violet	S W
83009 009100	White	
83009 0091000	White	S W
83009 009500	White	S W
83009 004100	Yellow	
83009 0041000	Yellow	S W
83009 004500	Yellow	

Footnote:	S - STRIPING ADDERS FOR TYPES E AND EE: 1, 2, 3 STRIPES. MINIMUM ORDER 10,000' PER STRIPE COMBINATION. (SEE STRIPING ADDER TABLE)
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Footnote:	W - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 75'.
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