

Part Number: 83009

Lead Wire, #18 Str SPC, TFE Ins, AWM 1371 105C TYPE E

Request Sample

Product Description

High Temp Plastic Lead Wire, 18AWG (19x30) Silver Plated Copper, TFE Insulation, AWM 1371 105C TYPE E MIL-W-16878/4 600V 200C

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

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

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, LS0H, Toxicity Testing

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

Plenum/Non-Plenum

Plenum (Y/N):	No

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)
Footnote:	W - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 75'.

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