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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: 83005

Hook-Up/Lead Wire UL AWM Style 1213, (1) 22 AWG (7x30) SPC, TFE, 105°C

[Request Sample](#)

Product Description

One 22 AWG stranded (7x30) silver plated copper conductor, TFE insulation.

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
22	7x30	SCC - Silver-coated Copper	1

Conductor Count:	1
Conductor Size:	22 AWG

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
TFE - Tetrafluoroethylene	0.049 in	0.01 in

Outer Jacket Material

Material	Nominal Diameter
No Jacket	0.05 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
15.25 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): 4.5 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:	4 lbs/1000ft
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Standards

UL AWM Style:	1213
Military Specification:	NEMA HP3, MIL-W-16878/4

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
83005 010100	Black	E
83005 0101000	Black	
83005 006100	Blue, Light	E
83005 0061000	Blue, Light	E S
83005 001100	Brown	E
83005 0011000	Brown	E S
83005 008100	Gray	E
83005 0081000	Gray	E S
83005 005100	Green, Dark	E
83005 0051000	Green, Dark	E S
83005 003100	Orange	E
83005 0031000	Orange	E S
83005 002100	Red	E
83005 0021000	Red	E S
83005 007100	Violet	E
83005 0071000	Violet	E S
83005 009100	White	E
83005 0091000	White	E S
83005 004100	Yellow	E
83005 0041000	Yellow	E S

Footnote:	E - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 25'.
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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