



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

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!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





Part Number: 83027

Hook-Up/Lead Wire UL AWM Style 1180, (1) 20 AWG (19x32) SPC, TFE, 300V, 200°C

 [Request Sample](#)

Product Description

One 20 AWG stranded (19x32) silver plated copper conductor, TFE insulation.

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
20	19x32	SCC - Silver-coated Copper	1

Conductor Count:	1
Conductor Size:	20 AWG

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
TFE - Tetrafluoroethylene	0.068 in	0.015 in

Outer Jacket Material

Material
No Jacket

Electrical Characteristics

Current

Max. Recommended Current [A]
6.5 A

Voltage

Non-UL Voltage Rating	UL Voltage Rating
1000 V	300 V RMS

Temperature Range

Non-UL Temp Rating:	200°C
UL Temp Rating:	200°C

Mechanical Characteristics

Bulk Cable Weight:	6.20 lbs/1000ft
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Standards

UL AWM Style:	1180
Military Specification:	NEMA HP3, MIL-W-16878/5 (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:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Footnote
83027 010100	Black	
83027 0101000	Black	S W
83027 010500	Black	
83027 006100	Blue, Light	
83027 0061000	Blue, Light	S W
83027 001100	Brown	
83027 008100	Gray	
83027 005100	Green, Dark	
83027 0051000	Green, Dark	S W
83027 003100	Orange	
83027 0031000	Orange	S W
83027 002100	Red	
83027 0021000	Red	S W
83027 007100	Violet	
83027 0071000	Violet	S W
83027 009100	White	
83027 0091000	White	S W
83027 004100	Yellow	
83027 0041000	Yellow	S W

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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