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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!



## 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: 83023**

Hook-Up/Lead Wire UL AWM Style 1180, (1) 24 AWG (19x36) SPC, TFE, 300V, 200°C

[Request Sample](#)

**Product Description**

One 24 AWG stranded (19x36) silver plated copper conductor, TFE insulation.

**Technical Specifications**

**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	No. of Conductors
24	19x36	SCC - Silver-coated Copper	1

Conductor Count:	1
Conductor Size:	24 AWG

**Insulation**

Material	Nominal Diameter	Nominal Wall Thickness
TFE - Tetrafluoroethylene	0.054 in	0.015 in

**Outer Jacket Material**

<b>Material</b>
No Jacket

**Electrical Characteristics**

**Conductor DCR**

<b>Nominal Conductor DCR</b>
24 Ohm/1000ft

Shielding:	Unshielded
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**Current**

Element	Max. Recommended Current [A]
Single conductor in free air @ 30C ambient	3.3 A

**Voltage**

Description	UL Voltage Rating	Voltage Rating [V]
Mil-W-16878	300 V	1000 V (Mil Spec)

**Temperature Range**

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

**Mechanical Characteristics**

Bulk Cable Weight:	3 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, LS0H, 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
83023 010100	Black	E
83023 0101000	Black	
83023 006100	Blue, Light	E
83023 0061000	Blue, Light	E S
83023 001100	Brown	E
83023 0011000	Brown	E S
83023 008100	Gray	E
83023 0081000	Gray	E S
83023 005100	Green, Dark	E
83023 0051000	Green, Dark	E S
83023 003100	Orange	E
83023 0031000	Orange	E S
83023 002100	Red	E
83023 0021000	Red	E S
83023 007100	Violet	E
83023 0071000	Violet	E S
83023 009100	White	E
83023 0091000	White	E S
83023 004100	Yellow	E
83023 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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