



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

Material
No Jacket

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
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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