Product: 83023 ↗

Lead Wire, #24 Str SPC, TFE Ins, AWM 1180 300V 200C TYPE EE

⁑ Request Sample

Product Description

High Temp Plastic Lead Wire, 24AWG (19x36) Silver Plated Copper, TFE Insulation, AWM 1180 300V 200C TYPE EE MIL-W-16878/5 1000V 200C

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
24	19x36	SC - Silvered Copper	1

Conductor Count:	1

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PTFE - Polytetrafluoroethylene	0.054 in	0.015 in

Outer Jacket Material

Material
No Jacket

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
24 Ohm/1000ft

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

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
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

Part Number

Variants

Item #	Color	UPC	Length	Footnote
83023 010100	Black		100 ft	E
83023 0101000	Black	612825399469	1,000 ft	
83023 006100	Blue, Light		100 ft	E
83023 0061000	Blue, Light		1,000 ft	E S
83023 001100	Brown		100 ft	E
83023 0011000	Brown		1,000 ft	E S
83023 008100	Gray		100 ft	E
83023 0081000	Gray	612825399452	1,000 ft	E S
83023 005100	Green, Dark		100 ft	E
83023 0051000	Green, Dark		1,000 ft	E S
83023 003100	Orange		100 ft	E
83023 0031000	Orange		1,000 ft	E S
83023 002100	Red		100 ft	E
83023 0021000	Red		1,000 ft	E S
83023 007100	Violet		100 ft	E
83023 0071000	Violet		1,000 ft	E S
83023 009100	White	612825353980	100 ft	E
83023 0091000	White		1,000 ft	E S
83023 004100	Yellow		100 ft	E
83023 0041000	Yellow		1,000 ft	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)

History

Update and Revision:	Revision Number: 0.280 Revision Date: 04-02-2020