



**Part Number:** 83004

Lead Wire, #24 Str SPC, TFE Ins, AWM 1213 105C TYPE E

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**Product Description**

High Temp Plastic Lead Wire, 24AWG (7x32) Silver Plated Copper, TFE Insulation, AWM 1213 105C TYPE E MIL-W-16878/4 600V 200C

**Technical Specifications**

**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	No. of Conductors
24	7x32	SCC - Silver-coated Copper	1

Conductor Count:	1
Conductor Size:	24 AWG

**Insulation**

Material	Nominal Diameter	Nominal Wall Thickness
TFE - Tetrafluoroethylene	0.044 in	0.01 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	10 amps

**Voltage**

Description	Voltage Rating [V]
Mil-W-16878/4	600 V

**Temperature Range**

Non-UL Temp Rating:	200°C
UL Temp Rating:	105°C
Operating Temp Range:	-70°C To +200°C

**Mechanical Characteristics**

Bulk Cable Weight:	2 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, LS0H, 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	UPC	Length	Footnote
83004 010100	Black		100 ft	E
83004 0101000	Black	612825354406	1,000 ft	E S
83004 006100	Blue, Light	612825354383	100 ft	E
83004 0061000	Blue, Light	612825354314	1,000 ft	E S
83004 001100	Brown		100 ft	E
83004 0011000	Brown	612825399292	1,000 ft	E S
83004 008100	Gray	612825354390	100 ft	E
83004 0081000	Gray		1,000 ft	E S
83004 005100	Green, Dark		100 ft	E
83004 0051000	Green, Dark	612825354307	1,000 ft	E S
83004 003100	Orange	612825354376	100 ft	E
83004 0031000	Orange	612825399308	1,000 ft	E S
83004 002100	Red		100 ft	E
83004 0021000	Red	612825354321	1,000 ft	E S
83004 007100	Violet		100 ft	E
83004 0071000	Violet		1,000 ft	E S
83004 009100	White		100 ft	E
83004 0091000	White	612825378341	1,000 ft	E S
83004 004100	Yellow		100 ft	E
83004 0041000	Yellow	612825354369	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)

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