



Part Number: 83005

Lead Wire, #22 Str SPC, TFE Ins, AWM 1213 105C TYPE E

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Product Description

High Temp Plastic Lead Wire, 22AWG (7x30) 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
22	7x30	SCC - Silver-coated Copper	1

Conductor Count:	1
Conductor Size:	22 AWG

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
TFE - Tetrafluoroethylene	0.049 in	0.01 in

Outer Jacket Material

Material	Nominal Diameter
No Jacket	0.05 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
15.25 Ohm/1000ft

Current

Element	Max. Recommended Current [A]
Mil-Std-975M Table 3.16 (single wire)	Mil-Std-975M Table 3.16 (single wire): 4.5 amps

Voltage

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

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	4 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
83005 010100	Black	612825354161	100 ft	E
83005 0101000	Black	612825353683	1,000 ft	
83005 006100	Blue, Light		100 ft	E
83005 0061000	Blue, Light	612825354123	1,000 ft	E S
83005 001100	Brown		100 ft	E
83005 0011000	Brown	612825399315	1,000 ft	E S
83005 008100	Gray		100 ft	E
83005 0081000	Gray		1,000 ft	E S
83005 005100	Green, Dark		100 ft	E
83005 0051000	Green, Dark		1,000 ft	E S
83005 003100	Orange		100 ft	E
83005 0031000	Orange		1,000 ft	E S
83005 002100	Red	612825354352	100 ft	E
83005 0021000	Red	612825354345	1,000 ft	E S
83005 007100	Violet		100 ft	E
83005 0071000	Violet		1,000 ft	E S
83005 009100	White	612825354338	100 ft	E
83005 0091000	White	612825354130	1,000 ft	E S
83005.09305	White		305 m	
83005 004100	Yellow		100 ft	E
83005 0041000	Yellow	612825354147	1,000 ft	E S
83005.04305	Yellow		305 m	

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: 0.274 Revision Date: 07-11-2019
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