



Part Number: 83005

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

[Request Sample](#)

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	Footnote
83005 010100	Black	E
83005 0101000	Black	
83005 006100	Blue, Light	E
83005 0061000	Blue, Light	E S
83005 001100	Brown	E
83005 0011000	Brown	E S
83005 008100	Gray	E
83005 0081000	Gray	E S
83005 005100	Green, Dark	E
83005 0051000	Green, Dark	E S
83005 003100	Orange	E
83005 0031000	Orange	E S
83005 002100	Red	E
83005 0021000	Red	E S
83005 007100	Violet	E
83005 0071000	Violet	E S
83005 009100	White	E
83005 0091000	White	E S
83005 004100	Yellow	E
83005 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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