

Part Number: 83007

Lead Wire, #20 Str SPC, TFE Ins, AWM 1213 105C TYPE E

Request Sample

Product Description

High Temp Plastic Lead Wire, 20AWG (19x32) 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
20	19x32	SCC - Silver-coated Copper	1

Conductor Count:	1
Conductor Size:	20 AWG

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
TFE - Tetrafluoroethylene	0.056 in	0.009 in

Outer Jacket Material

Material	Nominal Diameter
No Jacket	0.058 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
9 Ohm/1000ft

Current

Element	Max. Recommended Current [A]
Mil-Std-975M Table 3.16 (single wire)	Mil-Std-975M Table 3.16 (single wire): 6.5 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:	5 lbs/1000ft

Standards

UL AWM Style:	1213
Military Specification:	NEMA HP3, MIL-W-16878/4 (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:	600 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No

Part Number

Variants

Item #	Color	Footnote
83007 010100	Black	
83007 0101000	Black	S W
83007 010500	Black	S W
83007 006100	Blue, Light	
83007 0061000	Blue, Light	S W
83007 006500	Blue, Light	S W
83007 001100	Brown	
83007 0011000	Brown	S W
83007 008100	Gray	
83007 0081000	Gray	S W
83007 005100	Green, Dark	
83007 0051000	Green, Dark	S W
83007 003100	Orange	
83007 0031000	Orange	S W
83007 002100	Red	
83007 0021000	Red	S W
83007 002500	Red	S W
83007 007100	Violet	
83007 0071000	Violet	S W
83007 009100	White	
83007 0091000	White	S W
83007 009500	White	S W
83007 004100	Yellow	
83007 0041000	Yellow	S W

Footnote:	S - STRIPING ADDERS FOR TYPES E AND EE: 1, 2, 3 STRIPES. MINIMUM ORDER 10,000' PER STRIPE COMBINATION. (SEE STRIPING ADDER TABLE)
Footnote:	W - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 75'.

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