

Product: 83045

Lead Wire, #28 Str SPC, TFE Ins, AWM 1371

Request Sample

Product Description

High Temp Plastic Lead Wire, 28AWG (7x36) Silver Plated Copper, TFE Insulation, AWM 1371 105C TYPE ET MIL-W-16878/6 250V 200C

Technical Specifications

Product Overview

Suitable Applications:	high temperature, inter-connection circuits, internal wiring of computer and electronic equipments, (Type ET) MIL-W-16878/6 applications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
28	7x36	SC - Silvered Copper	1

Conductor Count:	1

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PTFE - Polytetrafluoroethylene	0.027 in	0.006 in

Electrical Characteristics

Current

Max. Recommended Current [A]
Mil-Std-975M Table 3.16 (single wire): 1.8 A

Voltage

UL Voltage Rating
250 V RMS

Temperature Range

Non-UL Temp Rating:	200°C
UL Temp Rating:	105°C

Mechanical Characteristics

Bulk Cable Weight:	1 lbs/1000ft
Min. Bend Radius/Minor Axis:	0.11 in

Standards

UL AWM Style Compliance:	AWM 1371
NEMA Compliance:	HP3
Military Compliance:	MII-W-16878/6

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 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
CA Prop 65:	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

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
83045 010100	Black	Reel	100 ft	
83045 0061000	Blue, Light	Reel	1,000 ft	
83045 001100	Brown	Reel	100 ft	
83045 0011000	Brown	Reel	1,000 ft	
83045 0051000	Green, Dark			
83045 005100	Green, Dark	Reel	100 ft	
83045 002100	Red	Reel	100 ft	
83045 0021000	Red	Reel	1,000 ft	612825399650
83045 009100	White	Reel	100 ft	

Footnote:	E - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 25'., S - STRIPING ADDERS FOR TYPES E AND EE: 1, 2, 3 STRIPES. MINIMUM ORDER 10,000' PER STRIPE COMBINATION. (SEE STRIPING ADDER TABLE)

Product Notes

Notes:	Teflon® is a DuPont trademark.

History

Update and Revision:	Revision Number: 0.361 Revision Date: 05-05-2023

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