Product: 8522

Lead Wire, #18 Str TC, PVC Ins, TYPE MW MIL-W-76C-PVC

Request Sample

Product Description

Low Temp Plastic Lead Wire, 18AWG (16x30) Tinned Copper, PVC Insulation, TYPE MW MIL-W-76C-PVC 1000V 80C

Technical Specifications

Product Overview

Suitable Applications:	inter-connection circuits, internal wiring of computer and electronic equipments, (Type MW) MIL-W-76C-Low Temp applications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
18	16x30	TC - Tinned Copper	1

Conductor Count:	1

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.08 in	0.017 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
6.5 Ohm/1000ft

Current

Element	Max. Recommended Current [A]
Single conductor in free air @ 30C ambient	Single conductor in free air @ 30ºC: 16 A

Voltage

UL Voltage Rating
1000 V RMS

Temperature Range

Operating Temp Range:	-40°C To +80°C

Mechanical Characteristics

Bulk Cable Weight:	7 lbs/1000ft

Standards

Military Compliance:	MIL-W-76C Type MWP

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):	2005-10-01
CA Prop 65:	Yes
MII Order #39 (China RoHS):	Yes

Flammability, LS0H, Toxicity Testing

UL voltage rating:	N/A

Plenum/Non-Plenum

Plenum (Y/N):	No

Part Number

Variants

Item #	Color	Putup Type	Length	UPC
8522 010100	Black	Reel	100 ft	612825211525
8522 0101000	Black	Reel	1,000 ft	612825211532
8522 013100	Blue, Dark	Reel	100 ft	612825211594
8522 0131000	Blue, Dark	Reel	1,000 ft	612825211600
8522 006100	Blue, Light	Reel	100 ft	612825211389
8522 0061000	Blue, Light	Reel	1,000 ft	612825211396
8522 001100	Brown	Reel	100 ft	612825211235
8522 0011000	Brown	Reel	1,000 ft	612825211242
8522 008100	Gray	Reel	100 ft	612825211433
8522 0081000	Gray	Reel	1,000 ft	612825211440
8522 005100	Green, Dark	Reel	100 ft	612825211358
8522 0051000	Green, Dark	Reel	1,000 ft	612825211365
8522 003100	Orange	Reel	100 ft	612825211303
8522 0031000	Orange	Reel	1,000 ft	612825211310
8522 0121000	Pink	Reel	1,000 ft	612825211556
8522 002100	Red	Reel	100 ft	612825211273
8522 0021000	Red	Reel	1,000 ft	612825347835
8522 0111000	Tan	Reel	1,000 ft	612825211549
8522 007100	Violet	Reel	100 ft	612825211419
8522 0071000	Violet	Reel	1,000 ft	612825211426
8522 009100	White	Reel	100 ft	612825211471
8522 0091000	White	Reel	1,000 ft	612825211488
8522 0261000	White, Black And Blue Stripe	Reel	1,000 ft	
8522 0301000	White, Black And Violet Stripe	Reel	1,000 ft	612825211716
8522 014100	White, Black Stripe	Reel	100 ft	612825211617
8522 0141000	White, Black Stripe	Reel	1,000 ft	612825211624
8522 018100	White, Blue Stripe	Reel	100 ft	612825211662
8522 0181000	White, Blue Stripe	Reel	1,000 ft	612825211679
8522 0161000	White, Green Stripe	Reel	1,000 ft	
8522 0201000	White, Orange Stripe	Reel	1,000 ft	612825211709
8522 0151000	White, Red Stripe	Reel	1,000 ft	612825211648
8522 004100	Yellow	Reel	100 ft	612825211334
8522 0041000	Yellow	Reel	1,000 ft	612825211341

History

Update and Revision:	Revision Number: 0.307 Revision Date: 07-26-2020

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