

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

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	1	18 AWG	16x30	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	0.08 in (2.0 mm)

Overall Cable Diameter (Nominal):	0.08 in (2.0 mm)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
6.5 Ohm/1000ft	Single conductor in free air @ 30ºC: 16 A

Voltage

UL Voltage Rating
1000 V RMS

Mechanical Characteristics

Temperature

UL Temperature	Operating
80°C	-40°C To +80°C

Bend Radius

Stationary Min.	Installation Min.
0.8 in (20 mm)	0.8 in (20 mm)

Max. Pull Tension:	19 lbs (8.6 kg)
Bulk Cable Weight:	7 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Outdoor
Sustainability:	CA Prop 65
Military Compliance:	MIL-W-76C Type MWP
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)

APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.478 Revision Date: 01-20-2023

Part Numbers

Variants

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

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