Product: 8503



Lead Wire, #22 Str TC, PVC Ins, TYPE B MIL-W-16878/1

Request Sample

Product Description

Low Temp Plastic Lead Wire, 22AWG (7x30) Tinned Copper, PVC Insulation, TYPE B MIL-W-16878/1 600V 105C

Technical Specifications

Product Overview

Suitable Applications:	inter-connection circuits, internal wiring of computer and electronic equipments, (Type B) MIL-W-16878/1-Low Temp applications

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	1	22 AWG	7x30	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
PVC - Polyvinyl Chloride	0.01 in (0.25 mm)	0.05 in (1.3 mm)

Overall Cable Diameter (Nominal):	0.050 in (1.3 mm)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
16.2 Ohm/1000ft	Single conductor in free air @ 30ºC: 11.0 A

Voltage

UL Voltage Rating
600 V RMS

Mechanical Characteristics

Temperature

UL Temperature	Operating
105°C	-40°C To +105°C

Bend Radius

Stationary Min.	Installation Min.
0.50 in (13 mm)	0.50 in (13 mm)

Max. Pull Tension:	8 lbs (3.6 kg)
Bulk Cable Weight:	3 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Outdoor
Sustainability:	CA Prop 65
Military Compliance:	MIL-W-16878/1
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)

History

Update and Revision:	Revision Number: 0.484 Revision Date: 07-03-2024

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
8503 010100	Black	Reel	100 ft	612825209959	
8503 0101000	Black	Reel	1,000 ft	612825209966	P
8503 006100	Blue, Light	Reel	100 ft	612825209843	
8503 0061000	Blue, Light	Reel	1,000 ft	612825209850	P
8503 001100	Brown	Reel	100 ft	612825209713	
8503 0011000	Brown	Reel	1,000 ft	612825209720	P
8503 008100	Gray	Reel	100 ft	612825209898	
8503 0081000	Gray	Reel	1,000 ft	612825209904	P
8503 005100	Green, Dark	Reel	100 ft	612825209829	
8503 0051000	Green, Dark	Reel	1,000 ft	612825209836	P
8503 003100	Orange	Reel	100 ft	612825209775	
8503 0031000	Orange	Reel	1,000 ft	612825209782	P
8503 002100	Red	Reel	100 ft	612825209751	
8503 0021000	Red	Reel	1,000 ft	612825209768	P
8503 007100	Violet	Reel	100 ft	612825209867	
8503 0071000	Violet	Reel	1,000 ft	612825209874	P
8503 009100	White	Reel	100 ft	612825209911	
8503 0091000	White	Reel	1,000 ft	612825209928	P
8503 0141000	White, Black Stripe	Reel	1,000 ft	612825209973	A
8503 0181000	White, Blue Stripe	Reel	1,000 ft	612825210016	A
8503 0191000	White, Brown Stripe	Reel	1,000 ft	612825210023	A
8503 0211000	White, Gray Stripe	Reel	1,000 ft	612825210030	A
8503 0161000	White, Green Stripe	Reel	1,000 ft	612825209997	A
8503 0151000	White, Red Stripe	Reel	1,000 ft	612825209980	A
8503 0221000	White, Violet Stripe	Reel	1,000 ft	612825210047	A
8503 0171000	White, Yellow Stripe	Reel	1,000 ft	612825210009	A
8503 004100	Yellow	Reel	100 ft	612825209805	
8503 0041000	Yellow	Reel	1,000 ft	612825209812	P

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