Product: 8500



Lead Wire, #16 Str TC, PVC Ins, TYPE B MIL-W-16878/1

Request Sample

Product Description

Low Temp Plastic Lead Wire, 16AWG (19x29) 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	16 AWG	19x29	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
PVC - Polyvinyl Chloride	0.01 in (0.25 mm)	0.079 in (2.0 mm)

Overall Cable Diameter (Nominal):	0.079 in (2.0 mm)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
6.5 Ohm/1000ft	Single conductor in free air @ 30ºC: 14.0 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.
0.79 in (20 mm)	0.79 in (20 mm)

Max. Pull Tension:	27 lbs (12 kg)
Bulk Cable Weight:	10 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: 0.450 Revision Date: 07-03-2024

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
8500 010100	Black	Reel	100 ft	612825209058	
8500 0101000	Black	Reel	1,000 ft	612825209065	P
8500 006100	Blue, Light	Reel	100 ft	612825208969	
8500 0061000	Blue, Light	Reel	1,000 ft	612825208976	P
8500 0011000	Brown	Reel	1,000 ft	612825208839	P
8500 0081000	Gray	Reel	1,000 ft	612825208990	P
8500 005100	Green, Dark	Reel	100 ft	612825208945	
8500 0051000	Green, Dark	Reel	1,000 ft	612825208952	P
8500 0031000	Orange	Reel	1,000 ft	612825208907	P
8500 002100	Red	Reel	100 ft	612825208860	
8500 0021000	Red	Reel	1,000 ft	612825208877	P
8500 0071000	Violet	Reel	1,000 ft	612825208983	P
8500 009100	White	Reel	100 ft	612825209010	
8500 0091000	White	Reel	1,000 ft	612825209027	P
8500 0141000	White, Black Stripe	Reel	1,000 ft	612825209089	
8500 0181000	White, Blue Stripe	Reel	1,000 ft	612825209126	A
8500 0191000	White, Brown Stripe	Reel	1,000 ft	612825209133	A
8500 0161000	White, Green Stripe	Reel	1,000 ft	612825209102	A
8500 0201000	White, Orange Stripe	Reel	1,000 ft	612825209140	A
8500 0151000	White, Red Stripe	Reel	1,000 ft	612825209096	A
8500 0171000	White, Yellow Stripe	Reel	1,000 ft	612825209119	A
8500 004100	Yellow	Reel	100 ft	612825208914	
8500 0041000	Yellow	Reel	1,000 ft	612825208921	P

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