

Product: 8502

Lead Wire, #20 Str TC, PVC Ins, TYPE B MIL-W-16878/1

Request Sample

Product Description

Low Temp Plastic Lead Wire, 20AWG (7x28) 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	20 AWG	7x28	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
PVC - Polyvinyl Chloride	0.01 in (0.25 mm)	0.058 in (1.5 mm)

Overall Cable Diameter (Nominal):	0.058 in (1.5 mm)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
9.8 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.
0.58 in (15 mm)	0.58 in (15 mm)

Max. Pull Tension:	11 lbs (5.0 kg)
Bulk Cable Weight:	4 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: 0.485 Revision Date: 07-03-2024

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
8502 010100	Black	Reel	100 ft	612825209676	
8502 0101000	Black	Reel	1,000 ft	612825209683	P
8502 006100	Blue, Light	Reel	100 ft	612825209584	
8502 0061000	Blue, Light	Reel	1,000 ft	612825209591	P
8502 001100	Brown	Reel	100 ft	612825209430	
8502 0011000	Brown	Reel	1,000 ft	612825209447	P
8502 008100	Gray	Reel	100 ft	612825209638	
8502 0081000	Gray	Reel	1,000 ft	612825209645	P
8502 005100	Green, Dark	Reel	100 ft	612825209560	
8502 0051000	Green, Dark	Reel	1,000 ft	612825209577	P
8502 003100	Orange	Reel	100 ft	612825209508	
8502 0031000	Orange	Reel	1,000 ft	612825209515	P
8502 002100	Red	Reel	100 ft	612825209461	
8502 0021000	Red	Reel	1,000 ft	612825209478	P
8502 007100	Violet	Reel	100 ft	612825209614	
8502 0071000	Violet	Reel	1,000 ft	612825209621	P
8502 009100	White	Reel	100 ft	612825209652	
8502 0091000	White	Reel	1,000 ft	612825209669	P
8502 0181000	White, Blue Stripe	Reel	1,000 ft	612825209706	A
8502 0151000	White, Red Stripe	Reel	1,000 ft	612825209690	A
8502 004100	Yellow	Reel	100 ft	612825209539	
8502 0041000	Yellow	Reel	1,000 ft	612825209546	P

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