



Product: [8502](#)

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

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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
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Construction Details

Conductor

Element	Number of Element	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)
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
9.8 Ohm/1000ft	Single conductor in free air @ 30°C: 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: 0.484 Revision Date: 01-20-2023

Part Numbers

Variants

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

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