



**Product:** [8523](#)

Lead Wire, #20 Str TC, PVC Ins, TYPE MW MIL-W-76C-PVC

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**Product Description**

Low Temp Plastic Lead Wire, 20AWG (10x30) 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
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**Construction Details**

**Conductor**

Element	Number of Element	Size	Stranding	Material
Conductor(s)	1	20 AWG	10x30	TC - Tinned Copper

**Insulation**

Material	Nom. Thickness	Nom. Insulation Diameter
PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	0.07 in (1.8 mm)

Overall Cable Diameter (Nominal):	0.070 in (1.8 mm)
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**Electrical Characteristics**

**Electricals**

Nom. Conductor DCR	Max. Current
9.85 Ohm/1000ft	Single conductor in free air @ 30°C: 12.0 A

**Voltage**

Voltage Rating
1000 V RMS

**Mechanical Characteristics**

**Temperature**

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

**Bend Radius**

Stationary Min.	Installation Min.
0.07 in (1.8 mm)	0.07 in (1.8 mm)

Max. Pull Tension:	13 lbs (5.9 kg)
Bulk Cable Weight:	5 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)

## History

Update and Revision: Revision Number: 0.450 Revision Date: 08-03-2022

## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC
8523 010100	Black	Reel	100 ft	612825347859
8523 0101000	Black	Reel	1,000 ft	612825211976
8523 013100	Blue, Dark	Reel	100 ft	612825211990
8523 0131000	Blue, Dark	Reel	1,000 ft	612825212003
8523 006100	Blue, Light	Reel	100 ft	612825211877
8523 0061000	Blue, Light	Reel	1,000 ft	612825211884
8523 001100	Brown	Reel	100 ft	612825211754
8523 0011000	Brown	Reel	1,000 ft	612825347842
8523 008100	Gray	Reel	100 ft	612825211914
8523 0081000	Gray	Reel	1,000 ft	612825211921
8523 005100	Green, Dark	Reel	100 ft	612825211853
8523 0051000	Green, Dark	Reel	1,000 ft	612825211860
8523 003100	Orange	Reel	100 ft	612825211808
8523 0031000	Orange	Reel	1,000 ft	612825211815
8523 002100	Red	Reel	100 ft	612825211778
8523 0021000	Red	Reel	1,000 ft	612825211785
8523 007100	Violet	Reel	100 ft	612825211891
8523 0071000	Violet	Reel	1,000 ft	612825211907
8523 009100	White	Reel	100 ft	612825211938
8523 0091000	White	Reel	1,000 ft	612825211945
8523 0141000	White, Black Stripe	Reel	1,000 ft	612825212010
8523 018100	White, Blue Stripe	Reel	100 ft	612825212034
8523 0181000	White, Blue Stripe	Reel	1,000 ft	612825212041
8523 0211000	White, Gray Stripe	Reel	1,000 ft	612825212058
8523 0161000	White, Green Stripe	Reel	1,000 ft	612825212027
8523 004100	Yellow	Reel	100 ft	612825211822
8523 0041000	Yellow	Reel	1,000 ft	612825211839

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