



REPRESENTATIVE IMAGE

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

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

[Request Sample](#)

### Product Description

Low Temp Plastic Lead Wire, 20AWG (7x28) 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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#### Physical Characteristics (Overall)

##### Conductor

AWG	Stranding	Material	No. of Conductors
20	10x30	TC - Tinned Copper	1

Conductor Count:	1
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##### Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.07 in	0.017 in

#### Electrical Characteristics

##### Conductor DCR

Nominal Conductor DCR
9.85 Ohm/1000ft

##### Current

Element	Max. Recommended Current [A]
Single conductor in free air @ 30C ambient	Single conductor in free air @ 30°C: 12.0 A

##### Voltage

UL Voltage Rating
1000 V RMS

#### Temperature Range

Non-UL Temp Rating:	80°C
Operating Temp Range:	-40°C To +80°C

#### Mechanical Characteristics

Bulk Cable Weight:	5 lbs/1000ft
Min Bend Radius/Minor Axis:	0.28 in

#### Standards

Military Compliance:	MIL-W-76C Type MWP
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#### Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-10-01
CA Prop 65:	Yes
MII Order #39 (China RoHS):	Yes

## Flammability, LS0H, Toxicity Testing

UL voltage rating:	N/A
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## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Part Number

### Variants

Item #	Color	Putup Type	Length	UPC
8523 010100	Black	Reel	100 ft	612825347859
8523 010100	Black	Reel	1,000 ft	612825211976
8523 013100	Blue, Dark	Reel	100 ft	612825211990
8523 013100	Blue, Dark	Reel	1,000 ft	612825212003
8523 006100	Blue, Light	Reel	100 ft	612825211877
8523 006100	Blue, Light	Reel	1,000 ft	612825211884
8523 001100	Brown	Reel	100 ft	612825211754
8523 001100	Brown	Reel	1,000 ft	612825347842
8523 008100	Gray	Reel	100 ft	612825211914
8523 008100	Gray	Reel	1,000 ft	612825211921
8523 005100	Green, Dark	Reel	100 ft	612825211853
8523 005100	Green, Dark	Reel	1,000 ft	612825211860
8523 003100	Orange	Reel	100 ft	612825211808
8523 003100	Orange	Reel	1,000 ft	612825211815
8523 002100	Red	Reel	100 ft	612825211778
8523 002100	Red	Reel	1,000 ft	612825211785
8523 007100	Violet	Reel	100 ft	612825211891
8523 007100	Violet	Reel	1,000 ft	612825211907
8523 009100	White	Reel	100 ft	612825211938
8523 009100	White	Reel	1,000 ft	612825211945
8523 014100	White, Black Stripe	Reel	1,000 ft	612825212010
8523 018100	White, Blue Stripe	Reel	100 ft	612825212034
8523 018100	White, Blue Stripe	Reel	1,000 ft	612825212041
8523 021100	White, Gray Stripe	Reel	1,000 ft	612825212058
8523 016100	White, Green Stripe	Reel	1,000 ft	612825212027
8523 004100	Yellow	Reel	100 ft	612825211822
8523 004100	Yellow	Reel	1,000 ft	612825211839

Footnote:	P - STRIPE COLORS ON STOCK SOLID COLORS. STRIPING ADDER OF \$8.00/M= FOR 1 OR 2 STRIPES. 10,000' MINIMUM ORDER FOR COLOR COMBINATION. PUT-UP WILL BE SUBJECT TO TWO PIECES (+ OR -) 10% PER SPOOL, WITH A MINIMUM LENGTH OF 100'.
Footnote:	A - STOCKED STRIPE COLORS.

## History

Update and Revision:	Revision Number: 0.307 Revision Date: 11-17-2020
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