

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 (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

Construction Details

Conductor

Element	No. of Elements	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)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
9.85 Ohm/1000ft	Single conductor in free air @ 30ºC: 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: 0.484 Revision Date: 07-03-2024

Part Numbers

Variants

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

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