



Product: [8527](#)

Lead Wire, #12 Str TC, PVC Ins, TYPE MW MIL-W-76C-PVC

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Product Description

Low Temp Plastic Lead Wire, 12AWG (65x30) 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	No. of Elements	Size	Stranding	Material
Conductor(s)	1	12 AWG	65x30	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
PVC - Polyvinyl Chloride	0.021 in (0.53 mm)	0.128 in (3.25 mm)

Overall Cable Diameter (Nominal):	0.128 in (3.25 mm)
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
4.32 Ohm/1000ft	Single conductor in free air @ 30°C: 9.0 A

Voltage

UL Voltage Rating
1000 V RMS

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
1.28 in (32.5 mm)	1.28 in (32.5 mm)

Max. Pull Tension:	64 lbs (29 kg)
Bulk Cable Weight:	24 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: 0.455 Revision Date: 02-03-2025
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
8527 010100	Black	Reel	100 ft	612825212867	
8527 0101000	Black	Reel	1,000 ft	612825212874	C P
8527 006100	Blue, Light	Reel	100 ft	612825212812	
8527 0061000	Blue, Light	Reel	1,000 ft	612825212829	P
8527 0081000	Gray	Reel	1,000 ft	612825212836	P
8527 005100	Green, Dark	Reel	100 ft	612825212799	
8527 0051000	Green, Dark	Reel	1,000 ft	612825212805	P
8527 003100	Orange	Reel	100 ft	612825212768	
8527 0031000	Orange	Reel	1,000 ft	612825212775	P
8527 002100	Red	Reel	100 ft	612825212744	
8527 0021000	Red	Reel	1,000 ft	612825212751	P
8527 009100	White	Reel	100 ft	612825212843	
8527 0091000	White	Reel	1,000 ft	612825212850	P
8527 0041000	Yellow	Reel	1,000 ft	612825212782	P

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