



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	Number of Element	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: 0.420 Revision Date: 06-30-2022

Part Numbers

Variants

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

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