



Product: [8521](#)

Lead Wire, #16 Str TC, PVC Ins, TYPE MW MIL-W-76C-PVC

Request Sample

### Product Description

Low Temp Plastic Lead Wire, 16AWG (26x30) 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	16 AWG	26x30	TC - Tinned Copper

##### Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
PVC - Polyvinyl Chloride	0.019 in (0.48 mm)	0.098 in (2.5 mm)

Overall Cable Diameter (Nominal):	0.098 in (2.5 mm)
-----------------------------------	-------------------

#### Electrical Characteristics

##### Electricals

Nom. Conductor DCR	Max. Current
4.0 Ohm/1000ft	Single conductor in free air @ 30°C: 22 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.
0.98 in (25 mm)	0.98 in (25 mm)

Max. Pull Tension:	32 lbs (15 kg)
Bulk Cable Weight:	12 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 2012/19/EU (WEEE)

**History**

Update and Revision:	Revision Number: 0.481 Revision Date: 01-20-2023
----------------------	--

**Part Numbers**

**Variants**

Item #	Color	Putup Type	Length	UPC	Footnote
8521 010100	Black	Reel	100 ft	612825211075	
8521 0101000	Black	Reel	1,000 ft	612825211082	P
8521 013100	Blue, Dark	Reel	100 ft	612825211105	
8521 0131000	Blue, Dark	Reel	1,000 ft	612825211112	P
8521 006100	Blue, Light	Reel	100 ft	612825210955	
8521 0061000	Blue, Light	Reel	1,000 ft	612825210962	P
8521 001100	Brown	Reel	100 ft	612825210825	
8521 0011000	Brown	Reel	1,000 ft	612825210832	P
8521 008100	Gray	Reel	100 ft	612825211006	
8521 0081000	Gray	Reel	1,000 ft	612825211013	P
8521 005100	Green, Dark	Reel	100 ft	612825210931	
8521 0051000	Green, Dark	Reel	1,000 ft	612825210948	P
8521 003100	Orange	Reel	100 ft	612825210887	
8521 0031000	Orange	Reel	1,000 ft	612825210894	P
8521 012100	Pink	Reel	100 ft	612825354949	
8521 002100	Red	Reel	100 ft	612825210856	
8521 0021000	Red	Reel	1,000 ft	612825210863	P
8521 011100	Tan	Reel	100 ft		
8521 0111000	Tan	Reel	1,000 ft		P
8521 007100	Violet	Reel	100 ft	612825210979	
8521 0071000	Violet	Reel	1,000 ft	612825210986	P
8521 009100	White	Reel	100 ft	612825211037	
8521 0091000	White	Reel	1,000 ft	612825211044	P
8521 0141000	White, Black Stripe	Reel	1,000 ft	612825211129	A
8521 018100	White, Blue Stripe	Reel	100 ft	612825211150	A
8521 0181000	White, Blue Stripe	Reel	1,000 ft	612825211167	A
8521 0191000	White, Brown Stripe	Reel	1,000 ft	612825211174	A
8521 0211000	White, Gray Stripe	Reel	1,000 ft	612825211198	
8521 0161000	White, Green Stripe	Reel	1,000 ft	612825211143	A
8521 0201000	White, Orange Stripe	Reel	1,000 ft	612825211181	A
8521 0151000	White, Red Stripe	Reel	1,000 ft	612825211136	A
8521 0221000	White, Violet Stripe	Reel	1,000 ft	612825211204	A
8521 0171000	White, Yellow Stripe	Reel	1,000 ft		A
8521 004100	Yellow	Reel	100 ft	612825210917	
8521 0041000	Yellow	Reel	1,000 ft	612825210924	P

© 2024 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.