



Product: [8521](#)

Lead Wire, #16 Str TC, PVC Ins, TYPE MW MIL-W-76C-PVC 1000V 80C

[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

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
16	26x30	TC - Tinned Copper	1

Conductor Count: 1

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.098 in	0.019 in

Outer Jacket Material

Material	Nominal Diameter
No Jacket	0.098 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
3.75 Ohm/1000ft

Current

Element	Max. Recommended Current [A]
Single conductor in free air @ 30C ambient	Single conductor in free air @ 30C ambient 22 A

Voltage

Description	Voltage Rating [V]
Mil-W-76C	1000 V RMS Mil-W-76C

Temperature Range

Operating Temp Range: -40°C To +80°C

Mechanical Characteristics

Bulk Cable Weight: 12 lbs/1000ft

Standards

UL AWM Style:	N/A
Military Specification:	MIL-W-76C type MWP

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2003/96/EC (BFR):	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
MII Order #39 (China RoHS):	Yes

Flammability, LSOH, Toxicity Testing

UL voltage rating:	N/A
--------------------	-----

Plenum/Non-Plenum

Plenum (Y/N):	No
---------------	----

Part Number

Variants

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

Footnote:	A - STOCKED STRIPE COLORS.
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'.

History

Update and Revision:	Revision Number: 0.274 Revision Date: 12-19-2019
----------------------	--

© 2020 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.