



Product: [8522](#)

Lead Wire, #18 Str TC, PVC Ins, TYPE MW MIL-W-76C-PVC

[Request Sample](#)

Product Description

Low Temp Plastic Lead Wire, 18AWG (16x30) 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	18 AWG	16x30	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	0.08 in (2.0 mm)

Overall Cable Diameter (Nominal):	0.08 in (2.0 mm)
-----------------------------------	------------------

Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
6.5 Ohm/1000ft	Single conductor in free air @ 30°C: 16 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.
0.8 in (20 mm)	0.8 in (20 mm)

Max. Pull Tension:	19 lbs (8.6 kg)
Bulk Cable Weight:	7 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)

APAC Compliance:	China RoHS II (GB/T 26572-2011)
------------------	---------------------------------

History

Update and Revision:	Revision Number: 0.478 Revision Date: 01-20-2023
----------------------	--

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
8522 010100	Black	Reel	100 ft	612825211525	
8522 0101000	Black	Reel	1,000 ft	612825211532	P
8522 013100	Blue, Dark	Reel	100 ft	612825211594	
8522 0131000	Blue, Dark	Reel	1,000 ft	612825211600	P
8522 006100	Blue, Light	Reel	100 ft	612825211389	
8522 0061000	Blue, Light	Reel	1,000 ft	612825211396	P
8522 001100	Brown	Reel	100 ft	612825211235	
8522 0011000	Brown	Reel	1,000 ft	612825211242	P
8522 008100	Gray	Reel	100 ft	612825211433	
8522 0081000	Gray	Reel	1,000 ft	612825211440	P
8522 005100	Green, Dark	Reel	100 ft	612825211358	
8522 0051000	Green, Dark	Reel	1,000 ft	612825211365	P
8522 003100	Orange	Reel	100 ft	612825211303	
8522 0031000	Orange	Reel	1,000 ft	612825211310	P
8522 0121000	Pink	Reel	1,000 ft	612825211556	P
8522 002100	Red	Reel	100 ft	612825211273	
8522 0021000	Red	Reel	1,000 ft	612825347835	P
8522 0111000	Tan	Reel	1,000 ft	612825211549	P
8522 007100	Violet	Reel	100 ft	612825211419	
8522 0071000	Violet	Reel	1,000 ft	612825211426	P
8522 009100	White	Reel	100 ft	612825211471	
8522 0091000	White	Reel	1,000 ft	612825211488	P
8522 0261000	White, Black And Blue Stripe	Reel	1,000 ft		A
8522 0301000	White, Black And Violet Stripe	Reel	1,000 ft	612825211716	A
8522 014100	White, Black Stripe	Reel	100 ft	612825211617	A
8522 0141000	White, Black Stripe	Reel	1,000 ft	612825211624	A
8522 018100	White, Blue Stripe	Reel	100 ft	612825211662	A
8522 0181000	White, Blue Stripe	Reel	1,000 ft	612825211679	A
8522 0161000	White, Green Stripe	Reel	1,000 ft		A
8522 0201000	White, Orange Stripe	Reel	1,000 ft	612825211709	A
8522 0151000	White, Red Stripe	Reel	1,000 ft	612825211648	A
8522 004100	Yellow	Reel	100 ft	612825211334	
8522 0041000	Yellow	Reel	1,000 ft	612825211341	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.