



Product: [8523](#) 

Lead Wire, #20 Str TC, PVC Ins, TYPE MW MIL-W-76C-PVC 1000V 80C

 [Request Sample](#)

Product Description

Low Temp Plastic Lead Wire, 20AWG (7x28) Tinned Copper, PVC Insulation, TYPE MW MIL-W-76C-PVC 1000V 80C

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
20	10x30	TC - Tinned Copper	1

Conductor Count: 1

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.07 in	0.017 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
9 Ohm/1000ft

Current

Element	Max. Recommended Current [A]
Single conductor in free air @ 30C ambient	12.0 A

Voltage

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

Temperature Range

Non-UL Temp Rating:	80°C
Operating Temp Range:	-40°C To +80°C

Mechanical Characteristics

Bulk Cable Weight:	5 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 2011/65/EU (ROHS II):	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
8523 010100	Black	612825347859	100 ft	
8523 0101000	Black	612825211976	1,000 ft	P
8523 013100	Blue, Dark	612825211990	100 ft	
8523 0131000	Blue, Dark	612825212003	1,000 ft	P
8523 006100	Blue, Light	612825211877	100 ft	
8523 0061000	Blue, Light	612825211884	1,000 ft	P
8523 001100	Brown	612825211754	100 ft	
8523 0011000	Brown	612825347842	1,000 ft	P
8523 008100	Gray	612825211914	100 ft	
8523 0081000	Gray	612825211921	1,000 ft	P
8523 005100	Green, Dark	612825211853	100 ft	
8523 0051000	Green, Dark	612825211860	1,000 ft	P
8523 003100	Orange	612825211808	100 ft	
8523 0031000	Orange	612825211815	1,000 ft	P
8523 002100	Red	612825211778	100 ft	
8523 0021000	Red	612825211785	1,000 ft	P
8523 007100	Violet	612825211891	100 ft	
8523 0071000	Violet	612825211907	1,000 ft	P
8523 009100	White	612825211938	100 ft	
8523 0091000	White	612825211945	1,000 ft	P
8523 0141000	White, Black Stripe	612825212010	1,000 ft	A
8523 018100	White, Blue Stripe	612825212034	100 ft	A
8523 0181000	White, Blue Stripe	612825212041	1,000 ft	A
8523 0211000	White, Gray Stripe	612825212058	1,000 ft	A
8523 0161000	White, Green Stripe	612825212027	1,000 ft	A
8523 004100	Yellow	612825211822	100 ft	
8523 0041000	Yellow	612825211839	1,000 ft	P

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'.
Footnote:	A - STOCKED STRIPE COLORS.

History

Update and Revision:	Revision Number: 0.273 Revision Date: 04-08-2020
----------------------	--

© 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.