



Part Number: 8502

Lead Wire, #20 Str TC, PVC Ins, TYPE B MIL-W-16878/1 600V 105C

[Request Sample](#)

Product Description

Low Temp Plastic Lead Wire, 20AWG (7x28) Tinned Copper, PVC Insulation, TYPE B MIL-W-16878/1 600V 105C

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
20	7x28	TC - Tinned Copper	1

Conductor Count: 1

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.058 in	0.01 in

Outer Jacket Material

Material
No Jacket

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
9.5 Ohm/1000ft

Current

Element	Max. Recommended Current [A]
Single conductor in free air @ 30C ambient.	14.0 A

Voltage

Description	Voltage Rating [V]
Mil-W-16878/1	600 V

Temperature Range

Non-UL Temp Rating:	105°C
Operating Temp Range:	-40°C To +105°C

Mechanical Characteristics

Bulk Cable Weight:	4.5 lbs/1000ft
--------------------	----------------

Standards

UL AWM Style:	N/A
Military Specification:	MIL-W-16878/1

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):	2006-04-01
CA Prop 65 (CJ for Wire & Cable):	Yes
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
8502 010100	Black	612825209676	100 ft	
8502 0101000	Black	612825209683	1,000 ft	P
8502 006100	Blue, Light	612825209584	100 ft	
8502 0061000	Blue, Light	612825209591	1,000 ft	P
8502 001100	Brown	612825209430	100 ft	
8502 0011000	Brown	612825209447	1,000 ft	P
8502 008100	Gray	612825209638	100 ft	
8502 0081000	Gray	612825209645	1,000 ft	P
8502 005100	Green, Dark	612825209560	100 ft	
8502 0051000	Green, Dark	612825209577	1,000 ft	P
8502 003100	Orange	612825209508	100 ft	
8502 0031000	Orange	612825209515	1,000 ft	P
8502 002100	Red	612825209461	100 ft	
8502 0021000	Red	612825209478	1,000 ft	P
8502 007100	Violet	612825209614	100 ft	
8502 0071000	Violet	612825209621	1,000 ft	P
8502 009100	White	612825209652	100 ft	
8502 0091000	White	612825209669	1,000 ft	P
8502 0181000	White, Blue Stripe	612825209706	1,000 ft	A
8502 0151000	White, Red Stripe	612825209690	1,000 ft	A
8502 004100	Yellow	612825209539	100 ft	
8502 0041000	Yellow	612825209546	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: 08-22-2019
----------------------	--

© 2019 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.