



Product: [8502](#)

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

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

Product Overview

Suitable Applications:	inter-connection circuits, internal wiring of computer and electronic equipments, (Type B) MIL-W-16878/1-Low Temp applications
------------------------	--

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	1	20 AWG	7x28	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
PVC - Polyvinyl Chloride	0.01 in (0.25 mm)	0.058 in (1.5 mm)

Overall Cable Diameter (Nominal):	0.058 in (1.5 mm)
-----------------------------------	-------------------

Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
9.8 Ohm/1000ft	Single conductor in free air @ 30°C: 14.0 A

Voltage

UL Voltage Rating
600 V RMS

Mechanical Characteristics

Temperature

UL Temperature	Operating
105°C	-40°C To +105°C

Bend Radius

Stationary Min.	Installation Min.
0.58 in (15 mm)	0.58 in (15 mm)

Max. Pull Tension:	11 lbs (5.0 kg)
Bulk Cable Weight:	4 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Outdoor
Sustainability:	CA Prop 65
Military Compliance:	MIL-W-16878/1
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)

History

Update and Revision:	Revision Number: 0.484 Revision Date: 01-20-2023
----------------------	--

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
8502 010100	Black	Reel	100 ft	612825209676	
8502 0101000	Black	Reel	1,000 ft	612825209683	P
8502 006100	Blue, Light	Reel	100 ft	612825209584	
8502 0061000	Blue, Light	Reel	1,000 ft	612825209591	P
8502 001100	Brown	Reel	100 ft	612825209430	
8502 0011000	Brown	Reel	1,000 ft	612825209447	P
8502 008100	Gray	Reel	100 ft	612825209638	
8502 0081000	Gray	Reel	1,000 ft	612825209645	P
8502 005100	Green, Dark	Reel	100 ft	612825209560	
8502 0051000	Green, Dark	Reel	1,000 ft	612825209577	P
8502 003100	Orange	Reel	100 ft	612825209508	
8502 0031000	Orange	Reel	1,000 ft	612825209515	P
8502 002100	Red	Reel	100 ft	612825209461	
8502 0021000	Red	Reel	1,000 ft	612825209478	P
8502 007100	Violet	Reel	100 ft	612825209614	
8502 0071000	Violet	Reel	1,000 ft	612825209621	P
8502 009100	White	Reel	100 ft	612825209652	
8502 0091000	White	Reel	1,000 ft	612825209669	P
8502 0181000	White, Blue Stripe	Reel	1,000 ft	612825209706	A
8502 0151000	White, Red Stripe	Reel	1,000 ft	612825209690	A
8502 004100	Yellow	Reel	100 ft	612825209539	
8502 0041000	Yellow	Reel	1,000 ft	612825209546	P

© 2023 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.