



**Product:** [83008](#)

Lead Wire, #20 Str SPC, TFE Ins, AWM 1213 105C TYPE E

[Request Sample](#)

**Product Description**

High Temp Plastic Lead Wire, 20AWG (7x28) Silver Plated Copper, TFE Insulation, AWM 1213 105C TYPE E MIL-W-16878/4 600V 200C

**Technical Specifications**

**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	No. of Conductors
20	7x28	SC - Silvered Copper	1

Conductor Count:	1
------------------	---

**Insulation**

Material	Nominal Diameter	Nominal Wall Thickness
PTFE - Polytetrafluoroethylene	0.058 in	0.01 in

**Electrical Characteristics**

**Voltage**

<b>Voltage Rating [V]</b>
600 V

**Temperature Range**

Non-UL Temp Rating:	200°C
UL Temp Rating:	105°C

**Mechanical Characteristics**

Bulk Cable Weight:	5.2 lbs/1000ft
--------------------	----------------

**Standards**

UL AWM Style:	1213
Military Specification:	NEMA HP3, MIL-W-16878/4

**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):	2005-04-01
MII Order #39 (China RoHS):	Yes

**Flammability, LSOH, Toxicity Testing**

UL Flammability:	VW-1
UL voltage rating:	600 V RMS

## Plenum/Non-Plenum

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

## Part Number

### Variants

Item #	Color	Putup Type	Length	UPC
83008 010100	Black	Reel	100 ft	612825354093
83008 0101000	Black	Reel	1,000 ft	612825354086
83008 006100	Blue, Light	Reel	100 ft	612825354024
83008 0061000	Blue, Light	Reel	1,000 ft	612825354109
83008 001100	Brown	Reel	100 ft	
83008 005100	Green, Dark	Reel	100 ft	612825354079
83008 0051000	Green, Dark	Reel	1,000 ft	612825354017
83008 003100	Orange	Reel	100 ft	
83008 0031000	Orange	Reel	1,000 ft	
83008 002100	Red	Reel	100 ft	612825353997
83008 0021000	Red	Reel	1,000 ft	612825354208
83008 009100	White	Reel	100 ft	612825354192
83008 0091000	White	Reel	1,000 ft	612825378389
83008 004100	Yellow	Reel	100 ft	612825354185
83008 0041000	Yellow	Reel	1,000 ft	

Footnote: S - STRIPING ADDERS FOR TYPES E AND EE: 1, 2, 3 STRIPES. MINIMUM ORDER 10,000' PER STRIPE COMBINATION. (SEE STRIPING ADDER TABLE)

Footnote: W - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 75'.

## History

Update and Revision:	Revision Number: 0.273 Revision Date: 04-28-2020
----------------------	--

© 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.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## Belden Wire & Cable:

[83008 0021000](#) [83008 0091000](#) [83008 0101000](#) [83008 0061000](#) [83008 0051000](#) [83008 0071000](#) [83008 0041000](#)  
[83008 010100](#) [83008 009100](#) [83008 002100](#) [83008 004100](#) [83008 003100](#) [83008 001100](#) [83008 006100](#) [83008](#)  
[005100](#)