



Product: [83007](#)

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

[Request Sample](#)

Product Description

High Temp Plastic Lead Wire, 20AWG (19x32) 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	19x32	SC - Silvered Copper	1

Conductor Count: 1

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PTFE - Polytetrafluoroethylene	0.056 in	0.009 in

Outer Jacket Material

Material	Nominal Diameter
No Jacket	0.058 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
9 Ohm/1000ft

Current

Element	Max. Recommended Current [A]
Mil-Std-975M Table 3.16 (single wire)	Mil-Std-975M Table 3.16 (single wire): 6.5 amps

Voltage

Description	Voltage Rating [V]
Mil-W-16878/4	600 V RMS Mil-W-16878/4

Temperature Range

UL Temp Rating:	105°C
Operating Temp Range:	-70°C To +200°C

Mechanical Characteristics

Bulk Cable Weight:	5 lbs/1000ft
--------------------	--------------

Standards

UL AWM Style:	1213
Military Specification:	NEMA HP3, MIL-W-16878/4 (Except For Stranding)

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	UPC	Length	Footnote
83007 010100	Black	612825354413	100 ft	
83007 0101000	Black	612825354215	1,000 ft	S W
83007 010500	Black		500 ft	S W
83007 006100	Blue, Light		100 ft	
83007 0061000	Blue, Light	612825399391	1,000 ft	S W
83007 006500	Blue, Light		500 ft	S W
83007 001100	Brown		100 ft	
83007 0011000	Brown	612825399377	1,000 ft	S W
83007 008100	Gray		100 ft	
83007 0081000	Gray	612825354000	1,000 ft	S W
83007 005100	Green, Dark		100 ft	
83007 0051000	Green, Dark		1,000 ft	S W
83007 003100	Orange		100 ft	
83007 0031000	Orange		1,000 ft	S W
83007 002100	Red	612825354031	100 ft	
83007 0021000	Red	612825354222	1,000 ft	S W
83007 002500	Red		500 ft	S W
83007 007100	Violet		100 ft	
83007 0071000	Violet	612825354239	1,000 ft	S W
83007 009100	White		100 ft	
83007 0091000	White	612825378372	1,000 ft	S W
83007 009500	White		500 ft	S W
83007 004100	Yellow		100 ft	
83007 0041000	Yellow	612825399384	1,000 ft	S W

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: 0.278 Revision Date: 04-02-2020
----------------------	--

© 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.