Belden

Product: 83008

Lead Wire, #20 Str SPC, TFE Ins, AWM 1213

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

Product Overview

Suitable Applications:	high temperature, inter-connection circuits, internal wiring of computer and electronic equipments, (Type E) MIL-W-16878/4 applications

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	1	20	7x28	SC - Silvered Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
PTFE - Polytetrafluoroethylene	0.01 in (0.25 mm)	0.058 in (1.5 mm)

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

Electrical Characteristics

Voltage

UL Voltage Rating
600 V RMS

Mechanical Characteristics

Temperature

UL Temperature
105°C

Bend Radius

Stationary Min.	Installation Min.
0.24 in (6.1 mm)	0.24 in (6.1 mm)

Max. Pull Tension:	12.6 lbs (5.72 kg)
Bulk Cable Weight:	5.2 lbs/1000ft

Standards and Compliance

Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	VW-1
AWM Compliance:	AWM 1213
CEC / C(UL) Compliance:	.
NEMA Compliance:	HP3
Military Compliance:	MIL-W-16878/4

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: 0.459 Revision Date: 02-20-2026

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
83008 010100	Black	Reel	100 ft	612825354093	
83008 0101000	Black	Reel	1,000 ft	612825354086	S W
83008 006100	Blue, Light	Reel	100 ft	612825354024	
83008 0061000	Blue, Light	Reel	1,000 ft	612825354109	S W
83008 001100	Brown	Reel	100 ft		
83008 005100	Green, Dark	Reel	100 ft	612825354079	
83008 0051000	Green, Dark	Reel	1,000 ft	612825354017	S W
83008 003100	Orange	Reel	100 ft		
83008 0031000	Orange	Reel	1,000 ft		S W
83008 002100	Red	Reel	100 ft	612825353997	
83008 0021000	Red	Reel	1,000 ft	612825354208	S W
83008 009100	White	Reel	100 ft	612825354192	
83008 0091000	White	Reel	1,000 ft	612825378389	S W
83008 004100	Yellow	Reel	100 ft	612825354185	
83008 0041000	Yellow	Reel	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), W - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 75'.

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