Belden



Product: 83010

Lead Wire, #16 Str SPC, TFE Ins, AWM 1371

Request Sample

Product Description

High Temp Plastic Lead Wire, 16AWG (19x29) Silver Plated Copper, TFE Insulation, AWM 1371 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	16 AWG	19x29	SC - Silvered Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
PTFE - Polytetrafluoroethylene	0.01 in (0.25 mm)	0.076 in (1.9 mm)

Overall Cable Diameter (Nominal):	0.076 in (1.9 mm)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
4 Ohm/1000ft	Mil-Std-975M Table 3.16 (single wire): 13 amps

Voltage

UL Voltage Rating
600 V RMS

Mechanical Characteristics

Temperature

UL Temperature	Operating
200°C	-70°C To +200°C

Bend Radius

Stationary Min.	Installation Min.
0.76 in (19 mm)	0.76 in (19 mm)

Max. Pull Tension:	27 lbs (12 kg)
Bulk Cable Weight:	10 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	VW-1

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AWM Compliance:	AWM 1855
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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.485 Revision Date: 02-20-2026

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
83010 010100	Black	Reel	100 ft	612825354246	
83010 010500	Black	Reel	500 ft	612825354642	S W
83010 0101000	Black	Reel	1,000 ft	612825378419	S W
83010 006500	Blue, Light			612825354703	S W
83010 006100	Blue, Light	Reel	100 ft		
83010 0061000	Blue, Light	Reel	1,000 ft	612825399445	S W
83010 001100	Brown	Reel	100 ft		
83010 001500	Brown	Reel	500 ft	612825354680	S W
83010 0011000	Brown	Reel	1,000 ft	612825353973	S W Z
83010 008500	Gray				S W
83010 008100	Gray	Reel	100 ft		
83010 005100	Green, Dark	Reel	100 ft	612825354260	
83010 005500	Green, Dark	Reel	500 ft		S W
83010 0051000	Green, Dark	Reel	1,000 ft	612825353959	S W
83010 003100	Orange	Reel	100 ft		
83010 003500	Orange	Reel	500 ft	612825353966	S W
83010 002100	Red	Reel	100 ft	612825354253	
83010 002500	Red	Reel	500 ft	612825354697	S W
83010 0021000	Red	Reel	1,000 ft	612825354659	S W
83010 007100	Violet	Reel	100 ft	612825353942	
83010 007500	Violet	Reel	500 ft	612825353935	S W
83010 009500	White				S W
83010 009100	White	Reel	100 ft	612825354444	
83010 0091000	White	Reel	1,000 ft	612825354673	S W
83010 004100	Yellow	Reel	100 ft	612825353928	
83010 004500	Yellow	Reel	500 ft		S W
83010 0041000	Yellow	Reel	1,000 ft	612825354666	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'., Z - FINAL PUT-UP MAY VARY (= OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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