Belden

Product: 83030

Lead Wire, #16 Str SPC, TFE Ins, AWM 1180

Request Sample

Product Description

High Temp Plastic Lead Wire, 16AWG (19x29) Silver Plated Copper, TFE Insulation, AWM 1180 300V 200C TYPE EE MIL-W-16878/5 1000V 200C

Technical Specifications

Product Overview

Suitable Applications:	high temperature, inter-connection circuits, internal wiring of computer and electronic equipments, (Type EE) MIL-W-16878/5 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	0.016 in (0.41 mm)	0.0875 in (2.22 mm)

Overall Cable Diameter (Nominal):	0.0875 in (2.22 mm)

Electrical Characteristics

Electricals

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

Voltage

UL Voltage Rating
300 V RMS (UL AWM 1180), 1000 V RMS (Mil-W-16878/5)

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
0.87 in (22 mm)	0.87 in (22 mm)

Max. Pull Tension:	29 lbs (13 kg)
Bulk Cable Weight:	11 lbs/1000ft

Standards and Compliance

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

AWM Compliance:	AWM 1180
NEMA Compliance:	HP3
Military Compliance:	MIL-W-16878/5
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
83030 010100	Black	Reel	100 ft	612825354598	
83030 010500	Black	Reel	500 ft	612825353690	S W
83030 0101000	Black	Reel	1,000 ft	612825399629	S W
83030 006100	Blue, Light	Reel	100 ft	612825354628	
83030 0061000	Blue, Light	Reel	1,000 ft	612825399605	S W
83030 0011000	Brown				S W
83030 001100	Brown	Reel	100 ft	612825354581	
83030 008100	Gray	Reel	100 ft	612825354536	
83030 0081000	Gray	Reel	1,000 ft		S W
83030 005100	Green, Dark	Reel	100 ft	612825354611	
83030 0051000	Green, Dark	Reel	1,000 ft		S W
83030 003100	Orange				
83030 0031000	Orange	Reel	1,000 ft	612825399582	S W
83030 002100	Red	Reel	100 ft	612825354604	
83030 0021000	Red	Reel	1,000 ft	612825399575	S W
83030 007100	Violet	Reel	100 ft		
83030 0071000	Violet	Reel	1,000 ft		S W
83030 009100	White	Reel	100 ft	612825354574	
83030 009500	White	Reel	500 ft		S W
83030 0091000	White	Reel	1,000 ft	612825399612	S W
83030 004100	Yellow				
83030 0041000	Yellow	Reel	1,000 ft	612825399599	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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