

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
AWM Compliance:	AWM 1855

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: 0.482 Revision Date: 07-03-2024

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

© 2025 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.