



Product: [83023](#)

Lead Wire, #24 Str SPC, TFE Ins, AWM 1180

[Request Sample](#)

Product Description

High Temp Plastic Lead Wire, 24AWG (19x36) 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

Size	Stranding	Material
24	19x36	SC - Silvered Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
PTFE - Polytetrafluoroethylene	0.015 in (0.38 mm)	0.054 in (1.4 mm)

Overall Cable Diameter (Nominal):	0.053 in (1.3 mm)
-----------------------------------	-------------------

Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
24 Ohm/1000ft (79 Ohm/km)	Mil-Std-975M Table 3.16 (single wire): 3.3 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

Bulk Cable Weight:	3 lbs/1000ft (4.5 kg/km)
--------------------	--------------------------

Standards and Compliance

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)

History

Update and Revision:	Revision Number: 0.379 Revision Date: 04-08-2022
----------------------	--

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
83023 010100	Black	Reel	100 ft	
83023 0101000	Black	Reel	1,000 ft	612825399469
83023 006100	Blue, Light	Reel	100 ft	
83023 0061000	Blue, Light	Reel	1,000 ft	
83023 001100	Brown	Reel	100 ft	
83023 0011000	Brown	Reel	1,000 ft	
83023 008100	Gray	Reel	100 ft	
83023 0081000	Gray	Reel	1,000 ft	612825399452
83023 005100	Green, Dark	Reel	100 ft	
83023 0051000	Green, Dark	Reel	1,000 ft	
83023 003100	Orange	Reel	100 ft	
83023 0031000	Orange	Reel	1,000 ft	
83023 002100	Red	Reel	100 ft	
83023 0021000	Red	Reel	1,000 ft	
83023 007100	Violet	Reel	100 ft	
83023 0071000	Violet	Reel	1,000 ft	
83023 009100	White	Reel	100 ft	612825353980
83023 0091000	White	Reel	1,000 ft	
83023 004100	Yellow	Reel	100 ft	
83023 0041000	Yellow	Reel	1,000 ft	

© 2022 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.