



Product: [83025](#) 

Lead Wire, #22 Str SPC, TFE Ins, AWM 1180

 [Request Sample](#)

Product Description

High Temp Plastic Lead Wire, 22AWG (7x30) 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	22	7x30	SC - Silvered Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
PTFE - Polytetrafluoroethylene	0.015 in (0.38 mm)	0.06 in (1.5 mm)

Overall Cable Diameter (Nominal):	0.060 in (1.5 mm)
-----------------------------------	-------------------

Electrical Characteristics

Electricals

Max. Current
Mil-Std-975M Table 3.16 (single wire): 4.5 A

Voltage

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

Mechanical Characteristics

Temperature

UL Temperature
200°C

Bend Radius

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

Max. Pull Tension:	9.1 lbs (4.1 kg)
Bulk Cable Weight:	4.3 lbs/1000ft

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: 0.455 Revision Date: 09-07-2025
----------------------	--

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
83025 010100	Black	Reel	100 ft	612825354741	E
83025 0101000	Black	Reel	1,000 ft	612825399483	E S
83025 006100	Blue, Light				E
83025 0061000	Blue, Light	Reel	1,000 ft	612825353775	E S
83025 0011000	Brown			612825399476	E S
83025 001100	Brown	Reel	100 ft		E
83025 0051000	Green, Dark				E S
83025 005100	Green, Dark	Reel	100 ft		E
83025 003100	Orange	Reel	100 ft		E
83025 0031000	Orange	Reel	1,000 ft		E S
83025 002100	Red			612825353843	E
83025 0021000	Red	Reel	1,000 ft	612825354734	E S
83025 0071000	Violet				E S
83025 009100	White	Reel	100 ft	612825353768	E
83025 0091000	White	Reel	1,000 ft	612825353751	E S
83025 0041000	Yellow				E S
83025 004100	Yellow	Reel	100 ft		E

Footnote:	E - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 25'. S - STRIPING ADDERS FOR TYPES E AND EE: 1, 2, 3 STRIPES. MINIMUM ORDER 10,000' PER STRIPE COMBINATION. (SEE STRIPING ADDER TABLE)
-----------	--

© 2026 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.