BELDEN



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: 0.452 Revision Date: 01-20-2023

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

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