BELDEN



Product: 83028

Lead Wire, #20 Str SPC, TFE Ins, AWM 1180

Request Sample

Product Description

High Temp Plastic Lead Wire, 20AWG (7x28) 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	20	7x28	SC - Silvered Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
PTFE - Polytetrafluoroethylene	0.015 in (0.38 mm)	0.068 in (1.7 mm)

Overall Cable Diameter (Nominal):	0.068 in (1.7 mm)

Electrical Characteristics

Electricals

Max. Current
Mil-Std-975M Table 3.16 (single wire): 6.5 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.
0.28 in (7.1 mm)	0.28 in (7.1 mm)

Max. Pull Tension:	12.6 lbs (5.72 kg)
Bulk Cable Weight:	6.90 lbs/1000ft

Standards and Compliance

Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	VW-1
AWM Compliance:	AWM 1180
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
83028 010100	Black	Reel	100 ft		
83028 0101000	Black	Reel	1,000 ft	612825399537	S W
83028 006100	Blue, Light	Reel	100 ft		
83028 0061000	Blue, Light	Reel	1,000 ft		S W
83028 0051000	Green, Dark				S W
83028 005100	Green, Dark	Reel	100 ft		
83028 0031000	Orange				S W
83028 003100	Orange	Reel	100 ft		
83028 002100	Red	Reel	100 ft	612825354529	
83028 0021000	Red	Reel	1,000 ft		S W
83028 009100	White	Reel	100 ft		
83028 0091000	White	Reel	1,000 ft		S W

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