



**Part Number:** 83305E

MIL-W-16878/4 (Type E), (1) 22 AWG (19x34) SPC, TFE/TFE, SPC Braid Shld

## Product Description

One 22 AWG stranded (19x34) silver-plated copper conductors, Teflon® (TFE) insulation, silver plated copper braid shield (85% coverage), Teflon® (TFE) jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

AWG	Stranding	Material	No. of Conductors
22	19x34	SPC - Silver Plated Copper	1
<b>Total Number of Conductors:</b>			1

#### Insulation:

Material	Material Trade Name	Nominal Wall Thickness
TFE - Tetrafluoroethylene	Teflon®	0.01 in

#### Color Chart 1:

Color
White

#### Outershield 1:

Type	Material	Coverage [%]
Braid	SPC - Silver Plated Copper	85 %

## Outerjacket 1:

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
TFE - Tetrafluoroethylene	Teflon®	0.091 in	0.01 in

## Electrical Characteristics

### Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
14.3 Ohm/1000ft	11.3 Ohm/1000ft

### Capacitance:

Nom. Capacitance Conductor to Shield
57.9 pF/ft

Min Insulation Resistance:	100,000 Megaohms/1000 ft. @ 500 V DC MOhm*1000ft
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### Current:

Max. Recommended Current [A]
5 Amps per conductor at 25°C

### Inductance:

Nominal Inductance
0.12 µH/ft

### Voltage:

UL Voltage Rating
600 V RMS

## Use

Max Recommended Pulling Tension:	22.3 lbs
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## Safety

### Temperature Range

Operating Temp Range:	-65°C To +200°C
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## Mechanical Characteristics

Min Bend Radius/Minor Axis:	1 in
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## Part Number

Plenum (Y/N):	No
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## Standards

CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
Military Specification:	Military Specification
Other Specification:	Other Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

## History

Notes:	Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.
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## Product Variants

Part Number	Color	Put-Up Type	Length
83305E 0091000	WHITE	Reel	1000 ft
83305E 009100	WHITE	Reel	100 ft

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