

## 83305E Multi-Conductor - MIL-W-16878/4 (Type E)

For more Information  
please call

1-800-Belden1



### Description:

22 AWG stranded (19x34) silver-plated copper conductors, cabled and color-coded, extruded TFE Teflon® insulation, silver-plated copper braid shield (85% coverage), TFE teflon tape-wrapped jacket

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Conductors	AWG	Stranding	Conductor Material
1	22	19x34	SPC - Silver Plated Copper

#### Insulation

##### Insulation Material:

Insulation Trade Name	Insulation Material	Wall Thickness (in.)
Teflon®	TFE - Tetrafluoroethylene	.010

Insulation Resistance: 100, 000 Megaohms/1000 ft. @ 500 V DC.

#### Outer Shield

##### Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	SPC - Silver Plated Copper	85

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material	Nom. Wall Thickness (in.)
Teflon®	TFE - Tetrafluoroethylene	.010

#### Overall Cable

##### Overall Cabling Color Code Chart:

Color
White

Overall Nominal Diameter: 0.091 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range: -65°C To +200°C

Bulk Cable Weight: 8.900 lbs/1000 ft.

Max. Recommended Pulling Tension: 22.300 lbs.

Min. Bend Radius (Install)/Minor Axis: 0.875 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 01/01/2005

EU Directive 2002/96/EC (WEEE): Yes

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<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes
<b>Military Specification:</b>	MIL-W-16878/4 (Type E, except stranding, insulated conductors)

### Flame Test

<b>UL Flame Test:</b>	UL1685 UL Loading, VW-1
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### Plenum/Non-Plenum

<b>Plenum (Y/N):</b>	No
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## Electrical Characteristics (Overall)

### Nom. Inductance:

**Inductance (µH/ft)**

.12

### Nom. Capacitance Conductor to Shield:

**Capacitance (pF/ft)**

57.9

### Nom. Conductor DC Resistance:

**DCR @ 20°C (Ohm/1000 ft)**

14.3

### Nominal Outer Shield DC Resistance:

**DCR @ 20°C (Ohm/1000 ft)**

11.3

### Max. Operating Voltage - UL:

**Voltage**

600 V RMS

### Max. Recommended Current:

**Current**

5 Amps per conductor at 25°C

## Notes (Overall)

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

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
83305E 009100	100 FT	1.000 LB	WHITE	E	1 #22 TFE BRD TFE TAPE
83305E 0091000	1,000 FT	10.000 LB	WHITE	E	1 #22 TFE BRD TFE TAPE

### Notes:

E = MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 25'

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