



**Product:** [83303E](#)

Electronic, 1 C #26 Str SPC, TFE Ins, OA SPC Brd, TFE Tape Jkt, MIL-W-16878/4 (Type E)

[Request Sample](#)

## Product Description

High Temperature Electronic, 1 Conductor 26AWG (7x34) Silver Plated Copper, TFE Insulation, Overall Silver Plated Copper Braid(85%) Shield, TFE Tape Outer Jacket, MIL-W-16878/4 (Type E)

## Technical Specifications

### Product Overview

Suitable Applications:	MIL-W-16878/4 (Type E) Spec; extreme high/low temperature environments; up to 600V analog signals ; up to 600V voltage control
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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material
26	7x34	SC - Silvered Copper

Conductor Count:	1
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#### Insulation

Material	Material Trade Name	Nominal Wall Thickness
PTFE - Polytetrafluoroethylene	Teflon®	0.01 in

#### Color Chart

Color
White

#### Outer Shield Material

Type	Material	Coverage [%]
Braid	SC - Silvered Copper	85 %

#### Outer Jacket Material

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
PTFE - Polytetrafluoroethylene	Teflon®	0.076 in	0.01 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
39 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Shield
44.6 pF/ft

#### Current

Max. Recommended Current [A]
3 Amps per conductor @ 25°C

#### Voltage

<b>UL Voltage Rating</b>
600 V RMS

## Temperature Range

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

Bulk Cable Weight:	6 lbs/1000ft
Max Recommended Pulling Tension:	13.1 lbs
Min Bend Radius/Minor Axis:	1 in

## Standards

Military Specification:	MIL-W-16878/4 (Type E insulated conductors)
Other Specification:	NEMA HP3

## Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-01-01
MIL Order #39 (China RoHS):	Yes

## Flammability, LSOH, Toxicity Testing

UL voltage rating:	600 V RMS
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## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Part Number

### Variants

Item #	Color	UPC
83303E 0091000	White	612825203827
83303E 009500	White	612825203834

Footnote:	E - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 25'.
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## Product Notes

Notes:	Teflon <sup>®</sup> is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.
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## History

Update and Revision:	Revision Number: 0.303 Revision Date: 04-28-2020
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