



Product: [83303E](#)

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

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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 & voltage control
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	1	26 AWG	7x34	SC - Silvered Copper

Insulation

Element	Material	Nom. Thickness	Color Code
Conductor(s)	PTFE - Polytetrafluoroethylene	0.010 in (0.25 mm)	White

Outer Shield

Shield Type	Material	Coverage
Braid	Silvered Copper (SC)	85%

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PTFE - Polytetrafluoroethylene	0.010 in (0.25 mm)	0.076 in (1.9 mm)

Overall Cable Diameter (Nominal):	0.076 in (1.9 mm)
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Shield	Max. Current
Conductor(s)	39 Ohm/1000ft (130 Ohm/km)	44.6 pF/ft (146 pF/m)	3 Amps per conductor @ 25°C

Voltage

Voltage Rating
600 V

Mechanical Characteristics

Temperature

Operating
-65°C to +200°C

Max. Pull Tension:	13.1 lbs (5.94 kg)
Bulk Cable Weight:	6 lbs/1000ft (8.9 kg/km)

Standards and Compliance

Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	IEC 60332-1-2
NEMA Compliance:	NEMA HP3
Military Compliance:	MIL-W-16878/4 (Type E insulated conductors)
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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

Product Notes

Notes:	Teflon® 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: 0.374 Revision Date: 05-31-2024
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Part Numbers

Variants

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

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