



Product: [83304E](#) 

Electronic, 1 C #24 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 24AWG (19x36) 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	24 AWG	19x36	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)	0.085 in (2.2 mm)

Overall Cable Diameter (Nominal):	0.085 in (2.2 mm)
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Shield	Max. Current
Conductor(s)	23 Ohm/1000ft (75 Ohm/km)	46 pF/ft (150 pF/m)	4 Amps per conductor @ 25°C

Nom Outer Shield DCR:	18 Ohm/1000ft (59 Ohm/km)
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Voltage

Voltage Rating
600 V

Mechanical Characteristics

Temperature

Operating
-65°C to +200°C

Max. Pull Tension:	15.5 lbs (7.03 kg)
Bulk Cable Weight:	8 lbs/1000ft (12 kg/km)

Standards and Compliance

Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	IEC 60332-1-2
CEC / C(UL) Compliance:	.
NEMA Compliance:	NEMA HP3
Military Compliance:	MIL-W-16878/4 (Type E except stranding), (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: 0.381 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
83304E 009500	White			612825203858	E
83304E 0091000	White	Reel	1,000 ft	612825203841	E

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