



**Product:** [83318E](#)

Electronic, 2 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, 2 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	Number of Element	Size	Stranding	Material
Conductor(s)	2	24 AWG	19x36	SC - Silvered Copper

**Insulation**

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

**Outer Shield**

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

**Outer Jacket**

Material	Nom. Thickness	Nom. Diameter
PTFE - Polytetrafluoroethylene	0.011 in (0.28 mm)	0.131 in (3.33 mm)

Overall Cable Diameter (Nominal):	0.131 in (3.33 mm)
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**Electrical Characteristics**

**Electricals**

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	23 Ohm/1000ft (75 Ohm/km)	26.5 pF/ft (86.9 pF/m)	42.4 pF/ft (139 pF/m)	4 Amps per conductor @ 25°C

**Voltage**

Voltage Rating
600 V

**Mechanical Characteristics**

**Temperature**

Operating
-65°C to +200°C

**Bend Radius**

Stationary Min.	Installation Min.
1.3 in (33 mm)	1.3 in (33 mm)

Max. Pull Tension:	31.6 lbs (14.3 kg)
Bulk Cable Weight:	14 lbs/1000ft (21 kg/km)

## Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
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: 0.376 Revision Date: 12-15-2021
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## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC
83318E 009500	White			612825203957
83318E 009100	White	Reel	100 ft	612825203940
83318E 0091000	White	Reel	1,000 ft	

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