



### Product: <u>83320E</u> ☑

Electronic, 2 C #20 Str SPC, TFE Ins, OA SPC Brd, TFE Jkt, MIL-W-16878/4 (Type E)

😭 Request Sample

#### **Product Description**

High Temperature Electronic, 2 Conductor 20AWG (19x32) Silver Plated Copper, TFE Insulation, Overall Silver Plated Copper Braid(85%) Shield, TFE Outer Jacket, MIL-W-16878/4 (Type E)

#### **Technical Specifications**

#### **Product Overview**

Suitable Applications: MIL-W-16878/4 (Type E) Spec;				vpe E) Spec;	Extreme High/Low Temper	ature Environme	ts; up to 600V analog signals & voltage contr
onstructi	on Details						
onductor							
Element	No. of Elements	Size	Stranding	Mat	erial		
Conductor(s)	2	20 AWG	19x32	SC - Silver	red Copper		
nsulation							
Element	Materia	al	Nom.	Thickness	Nom. Insulation Diamete	r Color Code	

#### Outer Jacket

Outer Sacket			
Material	Nom. Thickness	Nom. Diameter	
PTFE - Polytetrafluoroethylene	0.011 in (0.28 mm)	0.159 in (4.04 mm)	
Overall Cable Diameter (Nomin	al): 0.159 in (4.04 n	ım)	

#### **Electrical Characteristics**

#### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	8.9 Ohm/1000ft	31.7 pF/ft (104 pF/m)	51 pF/ft (170 pF/m)	6.5 Amps per conductor @ 25°C

#### Voltage

Voltage Rating 600 V

#### **Mechanical Characteristics**

1.59 in (40.4 mm) 1.59 in (40.4 mm)

# UL Temperature Operating 200°C -65°C to +200°C Bend Radius Stationary Min. Installation Min.

Max. Pull Tension:	30 lbs (14 kg)
Bulk Cable Weight:	21 lbs/1000ft

#### **Standards and Compliance**

Sustainability:	CA Prop 65
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)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

#### **Product Notes**

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Notes:		

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#### **History**

Update and Revision:

Revision Number: 0.545 Revision Date: 02-15-2024

#### **Part Numbers**

#### Variants

ltem #	Color	Putup Type	Length	UPC	Footnote
83320E 009100	White	Reel	100 ft	612825204022	E
83320E 009500	White	Reel	500 ft	612825204046	E
83320E 0091000	White	Reel	1,000 ft	612825204039	E

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