

Part Number: 83305E

Electronic, 1 C #22 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 22AWG (19x34) Silver Plated Copper, TFE Insulation, Overall Silver Plated Copper Braid(85%) Shield, TFE Tape Outer Jacket, MIL-W-16878/4 (Type E)

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors	No. of Coax
22	19x34	SPC - Silver Plated Copper	1	1

Conductor Count:	1
Conductor Size:	22 AWG

Insulation

Material	Material Trade Name	Nominal Wall Thickness
TFE - Tetrafluoroethylene	Teflon®	0.01 in

Color Chart

Color
White

Outer Shield Material

Type	Material	Coverage [%]
Braid	SPC - Silver Plated Copper	85 %

Outer Jacket Material

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
TFE - Tetrafluoroethylene	Teflon®	0.091 in	0.01 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
14.3 Ohm/1000ft	11.3 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Shield
57.9 pF/ft

Inductance

Nominal Inductance
0.12 µH/ft

Current

Max. Recommended Current [A]
5 Amps per conductor at 25°C

Voltage

UL Voltage Rating
600 V RMS

Temperature Range

Operating Temp Range:	-65°C To +200°C

Mechanical Characteristics

Bulk Cable Weight:	9 lbs/1000ft
Max Recommended Pulling Tension:	22.3 lbs
Min Bend Radius/Minor Axis:	1 in

Standards

Military Specification:	MIL-W-16878/4 (Type E except stranding), (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
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Flammability, LS0H, Toxicity Testing

UL voltage rating:	600 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No

Part Number

Variants

Item #	Color	Footnote
83305E 009100	White	E
83305E 0091000	White	E

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

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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