

83319E Multi-Conductor - MIL-W-16878/4 (Type E), 2 Conductors Cabled

 For more Information
 please call

1-800-Belden1

**Description:**

22 AWG stranded (19x34) silver-plated copper conductors, cabled and color-coded, extruded TFE Teflon® insulation, silver-plated copper braid shield (85% coverage), TFE teflon tape-wrapped jacket.

Physical Characteristics (Overall)**Conductor****AWG:**

# Conductors	AWG	Stranding	Conductor Material
2	22	19x34	SPC - Silver Plated Copper

Insulation**Insulation Material:**

Insulation Trade Name	Insulation Material	Wall Thickness (in.)
Teflon®	TFE - Tetrafluoroethylene	.010

Insulation Resistance: 100, 000 Megaohms/1000 ft. @ 500 V DC
Outer Shield**Outer Shield Material:**

Type	Outer Shield Material	Coverage (%)
Braid	SPC - Silver Plated Copper	85

Outer Jacket**Outer Jacket Material:**

Outer Jacket Trade Name	Outer Jacket Material	Nom. Wall Thickness (in.)
Teflon®	TFE - Tetrafluoroethylene	.011

Overall Cable**Overall Cabling Lay Length & Direction:**

Length (in.)	Twists (ft.)
1.1	10.9

Overall Cabling Color Code Chart:

Number	Color
1	White
2	Black

Overall Nominal Diameter: 0.143 in.
Mechanical Characteristics (Overall)

Operating Temperature Range:	-65°C To +200°C
Bulk Cable Weight:	17.300 lbs/1000 ft.
Max. Recommended Pulling Tension:	43.800 lbs.
Min. Bend Radius (Install)/Minor Axis:	1.500 in.

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes

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EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MIL Order #39 (China RoHS):	Yes
Military Specification:	MIL-W-16878/4 (Type E, except stranding, insulated conductors)

Flame Test

UL Flame Test:	UL1685 UL Loading, VW-1
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)**Nom. Inductance:**

Inductance (μH/ft)

.138

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

29.9

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

49.2

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

14.6

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

5.7

Max. Operating Voltage - UL:

Voltage

600 V RMS

Max. Recommended Current:

Current

5 Amps per conductor at 25°C

Notes (Overall)

Notes: Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
83319E 009100	100 FT	1.600 LB	WHITE	E	2 #22 TFE BRD TFE TAPE
83319E 0091000	1,000 FT	17.000 LB	WHITE	E	2 #22 TFE BRD TFE TAPE
83319E 009500	500 FT	9.500 LB	WHITE	E	2 #22 TFE BRD TFE TAPE

Notes:

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

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.