

83317E Multi-Conductor - MIL-W-16878/4 (Type E), 2 Conductors Cabled

 For more Information
 please call

1-800-Belden1



General Description:

26 AWG stranded (7x34) 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	26	7x34	SPC - Silver Plated Copper

Total Number of Conductors: 2

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Wall Thickness (mm)
Teflon®	TFE - Tetrafluoroethylene	0.254

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 (mm)
Teflon®	TFE - Tetrafluoroethylene	0.2794

Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	White
2	Black

Overall Nominal Diameter: 3.073 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -65°C To +200°C

Bulk Cable Weight: 17.858 Kg/Km

Max. Recommended Pulling Tension: 119.212 N

Min. Bend Radius/Minor Axis: 31.750 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
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 insulated conductors)

METRIC MEASUREMENT VERSION

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Other Specification:	NEMA HP-3
Plenum/Non-Plenum	
Plenum (Y/N):	No

Electrical Characteristics (Overall)

Nom. Inductance:	
Inductance (µH/m)	0.45934
Nom. Capacitance Conductor to Conductor:	
Capacitance (pF/m)	68.2448
Nom. Capacitance Cond. to Other Conductor & Shield:	
Capacitance (pF/m)	116.476
Nom. Conductor DC Resistance:	
DCR @ 20°C (Ohm/km)	127.959
Nominal Outer Shield DC Resistance:	
DCR @ 20°C (Ohm/km)	22.967
Max. Operating Voltage - UL:	
Voltage	600 V RMS
Max. Recommended Current:	
Current	3 Amps per conductor @ 25°C

Notes (Overall)

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

Item #	Putup	Ship Weight	Color	Notes	Item Desc
83317E 009100	100 FT	1.300 LB	WHITE	E	2 #26 TFE BRD TFE TAPE
83317E 0091000	1,000 FT	13.000 LB	WHITE	E	2 #26 TFE BRD TFE TAPE
83317E 009500	500 FT	6.500 LB	WHITE	E	2 #26 TFE BRD TFE TAPE

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