

# Detailed Specifications & Technical Data

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## METRIC MEASUREMENT VERSION

### 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

MII Order #39 (China RoHS): Yes

Military Specification: MIL-W-16878/4 (Type E insulated conductors)

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Other Specification:

NEMA HP3

#### Plenum/Non-Plenum

Plenum (Y/N):

No

#### Electrical Characteristics (Overall)

Nom. Inductance:

Inductance ( $\mu$ H/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.

#### 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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