

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

 For more Information  
 please call

1-800-Belden1

**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 |

**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            | 12           |

**Overall Cabling Color Code Chart:**

| Number | Color |
|--------|-------|
| 1      | White |
| 2      | Black |

**Overall Nominal Diameter:** 0.121 in.
**Mechanical Characteristics (Overall)**

|                                               |                     |
|-----------------------------------------------|---------------------|
| <b>Operating Temperature Range:</b>           | -65°C To +200°C     |
| <b>Bulk Cable Weight:</b>                     | 11.600 lbs/1000 ft. |
| <b>Max. Recommended Pulling Tension:</b>      | 26.800 lbs.         |
| <b>Min. Bend Radius (Install)/Minor Axis:</b> | 1.250 in.           |

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

|                                       |     |
|---------------------------------------|-----|
| <b>EU CE Mark:</b>                    | Yes |
| <b>EU Directive 2000/53/EC (ELV):</b> | 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 &amp; Cable): Yes

MIL Order #39 (China RoHS): Yes

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

## Flame Test

UL Flame Test: UL1685 UL Loading, VW-1

## Plenum/Non-Plenum

Plenum (Y/N): No

## Electrical Characteristics (Overall)

## Nom. Inductance:

Inductance (μH/ft)

.14

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

20.8

## Nom. Capacitance Cond. to Other Conductor &amp; Shield:

Capacitance (pF/ft)

35.5

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

39

## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

7

## 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.

## Related Documents:

No related documents are available for this product

## 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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