



**Part Number:** 83347E

MIL-W-16878/4 (Type E), (4) 26 AWG (7x34) SPC, TFE/TFE, SPC Braid Shld

## Product Description

Four 26 AWG stranded (7x34) silver-plated copper conductors, Teflon® (TFE) insulation, silver plated copper braid shield (85% coverage), Teflon® (TFE) jacket.

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

| AWG | Stranding | Material                   | No. of Conductors |
|-----|-----------|----------------------------|-------------------|
| 26  | 7x34      | SPC - Silver Plated Copper | 4                 |

|                  |   |
|------------------|---|
| Conductor Count: | 4 |
|------------------|---|

#### Insulation

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

#### Color Chart

| Number | Color |
|--------|-------|
| 1      | White |
| 2      | Black |
| 3      | Red   |
| 4      | Green |

#### 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®             | 0.137 in         | 0.011 in               |

### Electrical Characteristics

#### Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 39 Ohm/1000ft         |

#### Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|-----------------------------------------|---------------------------------------------------------|
| 18.5 pF/ft                              | 30.5 pF/ft                                              |

#### Inductance

| Nominal Inductance |
|--------------------|
| 0.14 µH/ft         |

#### Current

| Max. Recommended Current [A] |
|------------------------------|
| 3 Amps per conductor @ 25°C  |

Voltage

| UL Voltage Rating |
|-------------------|
| 600V RMS          |

Temperature Range

|                       |                 |
|-----------------------|-----------------|
| Operating Temp Range: | -65°C To +200°C |
|-----------------------|-----------------|

Mechanical Characteristics

|                                  |               |
|----------------------------------|---------------|
| Bulk Cable Weight:               | 17 lbs/1000ft |
| Max Recommended Pulling Tension: | 38.8 lbs      |
| Min Bend Radius/Minor Axis:      | 1.5 in        |

Standards

|                         |                                             |
|-------------------------|---------------------------------------------|
| CPR Euroclass:          | Eca                                         |
| Military Specification: | MIL-W-16878/4 (Type E 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                           |

Part Number

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Variants

| Item #         | Color |
|----------------|-------|
| 83347E 009100  | WHITE |
| 83347E 0091000 | WHITE |

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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