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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         |
|--------------|-----|-----------|----------------------------|
| 3            | 26  | 7x34      | SPC - Silver Plated Copper |

Total Number of Conductors: 3

### 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 |
| 3      | Red   |

Overall Nominal Diameter: 3.226 mm

## Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 22.323 Kg/Km

Max. Recommended Pulling Tension: 157.021 N

Min. Bend Radius/Minor Axis: 38.100 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

## 83332E Multi-Conductor - MIL-W-16878/4 (Type E)

Other Specification: NEMA HP3

### Plenum/Non-Plenum

Plenum (Y/N): No

### Electrical Characteristics (Overall)

#### Nom. Inductance:

Inductance (µH/m)  
0.39372

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)  
61.6828

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

Capacitance (pF/m)  
103.023

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)  
127.959

#### 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              |
|----------------|----------|-------------|-------|-------|------------------------|
| 83332E 009100  | 100 FT   | 1.700 LB    | WHITE | E     | 3 #26 TFE BRD TFE TAPE |
| 83332E 0091000 | 1,000 FT | 15.000 LB   | WHITE | E     | 3 #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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