

## 2221 Multi-Conductor - Single-Pair Cable

For more Information  
please call

1-800-Belden1

**Description:**

26 AWG stranded (30x40) BC conductors cabled with fillers, Datalene® insulation, conductors cabled with fillers, TC "French Braid" Shield (95% coverage), Belflex® PVC jacket.

**Physical Characteristics (Overall)****Conductor**

AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 1       | 26  | 30x40     | BC - Bare Copper   |

Total Number of Conductors: 2

**Insulation**

Insulation Material:

| Insulation Trade Name | Insulation Material                    |
|-----------------------|----------------------------------------|
| Datalene®             | FHDPE - Foam High Density Polyethylene |

**Outer Shield**

Outer Shield Material:

| Type         | Outer Shield Material | Coverage (%) |
|--------------|-----------------------|--------------|
| French Braid | TC - Tinned Copper    | 95           |

**Outer Jacket**

Outer Jacket Material:

| Outer Jacket Trade Name | Outer Jacket Material    |
|-------------------------|--------------------------|
| Belflex®                | PVC - Polyvinyl Chloride |

**Overall Cable**

Overall Nominal Diameter: 0.170 in.

**Pair**

Pair Color Code Chart:

| Number | Color       |
|--------|-------------|
| 1      | Red & Black |

**Mechanical Characteristics (Overall)**

|                                   |                     |
|-----------------------------------|---------------------|
| Operating Temperature Range:      | -20°C To +60°C      |
| Bulk Cable Weight:                | 16.500 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 34 lbs.             |
| Min. Bend Radius/Minor Axis:      | 1.750 in.           |

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

|                                       |            |
|---------------------------------------|------------|
| EU Directive 2000/53/EC (ELV):        | Yes        |
| EU Directive 2002/95/EC (RoHS):       | Yes        |
| EU RoHS Compliance Date (mm/dd/yyyy): | 03/10/2011 |
| EU Directive 2002/96/EC (WEEE):       | Yes        |
| EU Directive 2003/11/EC (BFR):        | Yes        |

## 2221 Multi-Conductor - Single-Pair Cable

|                                   |                       |
|-----------------------------------|-----------------------|
| CA Prop 65 (CJ for Wire & Cable): | Yes                   |
| MII Order #39 (China RoHS):       | Yes                   |
| Other Specification:              | AES/EBU Digital Audio |

**Suitability**

|                       |     |
|-----------------------|-----|
| Suitability - Indoor: | Yes |
|-----------------------|-----|

**Plenum/Non-Plenum**

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

**Electrical Characteristics (Overall)****Nom. Characteristic Impedance:**

|                 |
|-----------------|
| Impedance (Ohm) |
| 110             |

**Nom. Capacitance Conductor to Conductor:**

|                     |
|---------------------|
| Capacitance (pF/ft) |
| 13.000              |

**Nominal Velocity of Propagation:**

|        |
|--------|
| VP (%) |
| 78.000 |

**Nom. Conductor DC Resistance:**

|                          |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
| 36.000                   |

**Nominal Outer Shield DC Resistance:**

|                          |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
| 6.600                    |

**Max. Operating Voltage - UL:**

|           |
|-----------|
| Voltage   |
| 300 V RMS |

**Max. Recommended Current:**

|                               |
|-------------------------------|
| Current                       |
| 1.9 Amps per conductor @ 25°C |

**Notes (Overall)**

**Notes:** Datalene® insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

**Put Ups and Colors:**

| Item #        | Putup    | Ship Weight | Color | Notes | Item Desc              |
|---------------|----------|-------------|-------|-------|------------------------|
| 2221 B02U1000 | 1,000 FT | 18.000 LB   |       |       | 1 PR #26 FHDPE BRD PVC |
| 2221 B59U1000 | 1,000 FT | 18.000 LB   |       |       | 1 PR #26 FHDPE BRD PVC |
| 2221 G7VU1000 | 1,000 FT | 18.000 LB   |       |       | 1 PR #26 FHDPE BRD PVC |
| 2221 G7WU1000 | 1,000 FT | 18.000 LB   |       |       | 1 PR #26 FHDPE BRD PVC |
| 2221 G7XU1000 | 1,000 FT | 18.000 LB   |       |       | 1 PR #26 FHDPE BRD PVC |

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