

## 2221 Multi-Conductor - Single-Pair Cable



For more Information  
please call

1-800-Belden1



### General 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 2011/65/EU (ROHS II): Yes

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

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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