

## 1164B Coax - Bundled RGB Coaxial Cable



For more Information  
please call

1-800-Belden1



### Description:

26 AWG stranded (7x34) .019" bare copper conductors, foam HDPE insulation, Duofoil® + tinned copper braid shield (93% coverage), overall PVC jacket, inner PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

| # Coax | AWG | Stranding | Conductor Material | Dia. (in.) |
|--------|-----|-----------|--------------------|------------|
| 3      | 26  | 7x34      | BC - Bare Copper   | .019       |

#### Insulation

##### Insulation Material:

| Insulation Material                    | Dia. (in.) |
|--|------------|
| FHDPE - Foam High Density Polyethylene | .089       |

#### Inner Shield

##### Inner Shield Material:

| Layer # | Inner Shield Trade Name | Type  | Inner Shield Material                      | Coverage (%) |
|---------|-------------------------|-------|--|--------------|
| 1       | Duofoil®                | Tape  | Aluminum Foil-Polyester Tape-Aluminum Foil | 100          |
| 2       |                         | Braid | TC - Tinned Copper                         | 93           |

#### Inner Jacket

##### Inner Jacket Material:

| Inner Jacket Material    | Nom. Dia. (in.) |
|--------------------------|-----------------|
| PVC - Polyvinyl Chloride | .146            |

##### Inner Jacket Color Code Chart:

| Number | Color |
|--------|-------|
| 1      | Red   |
| 2      | Green |
| 3      | Blue  |

#### Outer Jacket

##### Outer Jacket Material:

| Outer Jacket Material    |
|--------------------------|
| PVC - Polyvinyl Chloride |

#### Overall Cable

Overall Cabling Separator Material: Polyester Tape

Overall Nominal Diameter: 0.388 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +60°C

UL Temperature Rating: 60°C (UL AWM Style 1354)

Bulk Cable Weight: 70 lbs/1000 ft.

Max. Recommended Pulling Tension: 103 lbs.

Min. Bend Radius (Install)/Minor Axis: 4 in.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

|                                       |  |
|---------------------------------------|--|
| NEC/(UL) Specification:               | CM   |
| CEC/C(UL) Specification:              | CM   |
| AWM Specification:                    | UL Style 1354 (30 V 60°C) (each coax); UL Style 2668 (overall) |
| EU CE Mark:                           | No   |
| EU Directive 2000/53/EC (ELV):        | Yes  |
| EU Directive 2002/95/EC (RoHS):       | Yes  |
| EU RoHS Compliance Date (mm/dd/yyyy): | 01/01/2004   |
| 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:                  | SMPTE  |

### Flame Test

|                |                   |
|----------------|-------------------|
| UL Flame Test: | UL1685 UL Loading |
|----------------|-------------------|

### Plenum/Non-Plenum

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

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)

75

### Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

17.3

### Nominal Velocity of Propagation:

VP (%)

78

### Nominal Delay:

Delay (ns/ft)

1.30

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

41.5

### Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

8.6

### Nom. Attenuation:

Freq. (MHz) Attenuation (dB/100 ft.)

|     |      |
|-----|------|
| 1   | 0.6  |
| 5   | 1.3  |
| 10  | 1.8  |
| 30  | 3.1  |
| 50  | 3.9  |
| 100 | 5.4  |
| 200 | 7.5  |
| 400 | 10.4 |
| 700 | 13.5 |
| 900 | 15.2 |

|      |      |
|------|------|
| 1000 | 15.9 |
|------|------|

### Max. Operating Voltage - UL:

| Voltage                      |
|------------------------------|
| 30 V RMS (UL AWM Style 1354) |
| 300 V RMS (CM)               |

### Minimum Return Loss:

| Description | Freq. (MHz) | Start Freq. (MHz) | Stop Freq. (MHz) | Min. RL (dB) |
|-------------|-------------|-------------------|------------------|--------------|
|             |             | 10                | 40               | 25           |

### Sweep Test

**Sweep Testing:** 100% sweep tested 10 MHz to 40 MHz.

## Misc. Information (Overall)

### Related Documents:

No related documents are available for this product

### Put Ups and Colors:

| Item #        | Putup    | Ship Weight | Color | Notes | Item Desc            |
|---------------|----------|-------------|-------|-------|----------------------|
| 1164B 0101000 | 1,000 FT | 78.000 LB   | BLACK | C     | 3 #26 FPE SH PVC PVC |
| 1164B 010500  | 500 FT   | 38.000 LB   | BLACK | C     | 3 #26 FPE SH PVC PVC |

#### Notes:

C = CRATE REEL PUT-UP.

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