

1407B Coax - Bundled RGB Coaxial Cable High Flex Type



For more Information
please call

1-800-Belden1



General Description:

26 AWG stranded (7x34) .019" bare copper conductors, foam HDPE insulation, Duofoil® + tinned copper braid shield (95% coverage), overall PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Coax | AWG | Stranding | Conductor Material | Dia. (mm) |
|--------|-----|-----------|--------------------|-----------|
| 4 | 26 | 7x34 | BC - Bare Copper | 0.4826 |

Total Number of Conductors: 4

Insulation

Insulation Material:

| Insulation Material | Dia. (mm) |
|--|-----------|
| FHDPE - Foam High Density Polyethylene | 2.2606 |

Inner Shield

Inner Shield Material:

| Layer # | Inner Shield Trade Name | Type | Inner Shield Material | Coverage (%) |
|---------|-------------------------|-------|--|--------------|
| 1 | Duofoil® | Tape | Aluminum Foil-Polyester Tape-Aluminum Foil | 100.000 |
| 2 | | Braid | TC - Tinned Copper | 95.000 |

Inner Jacket

Inner Jacket Material:

| Inner Jacket Material | Nom. Dia. (mm) |
|--------------------------|----------------|
| PVC - Polyvinyl Chloride | 3.7084 |

Inner Jacket Color Code Chart:

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

Outer Shield

Outer Shield Material:

| Outer Shield Material |
|-----------------------|
| Unshielded |

Outer Jacket

Outer Jacket Material:

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

Overall Cable

| | |
|-------------------------------------|----------------|
| Overall Cabling Separator Material: | Polyester Tape |
| Overall Nominal Diameter: | 11.049 mm |

Mechanical Characteristics (Overall)

| | |
|-----------------------------------|----------------|
| Operating Temperature Range: | -40°C To +60°C |
| Non-UL Temperature Rating: | 60°C |
| Bulk Cable Weight: | 138.403 Kg/Km |
| Max. Recommended Pulling Tension: | 613.852 N |
| Min. Bend Radius/Minor Axis: | 114.300 mm |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|------------------------------------|-----|
| EU Directive 2011/65/EU (ROHS II): | Yes |
|------------------------------------|-----|

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| | |
|---------------------------------------|------------|
| 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 |
| MIL Order #39 (China RoHS): | Yes |
| Other Specification: | SMPTE |
| RG Type: | Mini 59/U |

Plenum/Non-Plenum

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

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

| |
|-----------------|
| Impedance (Ohm) |
| 75 |

Nom. Capacitance Cond. to Other Conductor & Shield:

| |
|--------------------|
| Capacitance (pF/m) |
| 56.7613 |

Nominal Velocity of Propagation:

| |
|--------|
| VP (%) |
| 78 |

Nominal Delay:

| |
|--------------|
| Delay (ns/m) |
| 4.2653 |

Nom. Conductor DC Resistance:

| |
|---------------------|
| DCR @ 20°C (Ohm/km) |
| 136.162 |

Nom. Inner Shield DC Resistance:

| |
|---------------------|
| DCR @ 20°C (Ohm/km) |
| 28.2166 |

Nom. Attenuation:

| Freq. (MHz) | Attenuation (dB/100m) |
|-------------|-----------------------|
| 1 | 1.9686 |
| 5 | 4.2653 |
| 10 | 5.9058 |
| 30 | 10.1711 |
| 50 | 12.7959 |
| 100 | 17.7174 |
| 200 | 24.6075 |
| 400 | 34.1224 |
| 700 | 44.2935 |
| 900 | 49.8712 |
| 1000 | 52.1679 |

Max. Operating Voltage - Non-UL:

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

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)

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|----------|-------------|--------------------|-------|----------------------|
| 1407B J5C1000 | 1,000 FT | 100.000 LB | BLACK, VIVID MATTE | C | 4 #26 FPE SH PVC PVC |

METRIC MEASUREMENT VERSION

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Notes:

C = CRATE REEL PUT-UP.

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