


Product: [1407B](#) 



RGB Video, High Flex, #26-4 Coax Stranded BC

Product Description

RGB Video Coax, 4-26 AWG stranded bare copper conductors, foam HDPE insulation, Duofoil® +95% tinned copper braid shield, inner PVC jackets, flexible PVC jacket

Technical Specifications

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | Nominal Diameter | No. of Coax |
|-----|-----------|------------------|------------------|-------------|
| 26 | 7x34 | BC - Bare Copper | 0.019 in | 4 |

| | |
|------------------|---|
| Conductor Count: | 4 |
|------------------|---|

Insulation

| Material | Nominal Diameter |
|--------------------------|------------------|
| PE - Polyethylene (Foam) | 0.089 in |

Color Chart

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

Inner Shield Material

| Type | Layer | Material | Material Trade Name | Coverage [%] |
|-------|-------|--------------------|---------------------|--------------|
| Tape | 1 | Alum / Poly / Alum | Duofoil® | 100% |
| Braid | 2 | TC - Tinned Copper | | 95% |

Inner Jacket Material

| Material | Nominal Diameter |
|--------------------------|------------------|
| PVC - Polyvinyl Chloride | 0.146 in |

Outer Shield Material

| Material |
|-----------|
| No Shield |

Outer Jacket Material

| Material | Nominal Diameter | Separator Material |
|--------------------------|------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.435 in | Polyester Tape |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Conductor DCR | Conductor Resistance | Nominal Inner Shield DCR | Outer Conductor DCR |
|-----------------------|-----------------------|----------------------|--------------------------|---------------------|
| 41.5 Ohm/1000ft | 41.5 Ohm/1000ft | | 8.6 Ohm/1000ft | 8.6 Ohm/1000ft |

Capacitance

| Nom. Capacitance Conductor to Other Conductor to Shield |
|---|
| 17.3 pF/ft |

Impedance

| Nominal Characteristic Impedance |
|----------------------------------|
| 75 Ohm |

Return Loss (RL)

| Frequency [MHz] | Minimum Return (RL) |
|-----------------|---------------------|
| 10-40 MHz | 25 dB |

High Frequency (Nominal/Typical)

| Frequency [MHz] | Nom. Insertion Loss |
|-----------------|---------------------|
| 1 MHz | 0.6 dB/100ft |
| 5 MHz | 1.3 dB/100ft |
| 10 MHz | 1.8 dB/100ft |
| 30 MHz | 3.1 dB/100ft |
| 50 MHz | 3.9 dB/100ft |
| 100 MHz | 5.4 dB/100ft |
| 200 MHz | 7.5 dB/100ft |
| 400 MHz | 10.4 dB/100ft |
| 700 MHz | 13.5 dB/100ft |
| 900 MHz | 15.2 dB/100ft |
| 1000 MHz | 15.9 dB/100ft |

Delay

| Nominal Delay | Nominal Velocity of Propagation (VP) [%] |
|---------------|--|
| 1.3 ns/ft | 78% |

High Freq

| Frequency [MHz] | Max. Insertion Loss (Attenuation) |
|-----------------|-----------------------------------|
| 30 MHz | 3.6 dB/100ft |

Voltage

| Non-UL Voltage Rating |
|-----------------------|
| 300 V RMS |

Temperature Range

| | |
|-----------------------|----------------|
| Non-UL Temp Rating: | 60°C |
| Operating Temp Range: | -40°C To +60°C |

Mechanical Characteristics

| | |
|-----------------------------|---------------|
| Bulk Cable Weight: | 93 lbs/1000ft |
| Max. Pull Tension: | 138 lbs |
| Min Bend Radius/Minor Axis: | 4.5 in |

Standards

| | |
|-------------------|---------|
| RG Type: | Mini 59 |
| Series Type: | 59 |
| Other Compliance: | SMPTE |

Applicable Environmental and Other Programs

| | |
|------------------------------------|-------------------------------|
| Environmental Space: | Indoor (Not Riser or Plenum) |
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2003/11/EC (BFR): | Yes |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU Directive 2012/19/EU (WEEE): | Yes |
| EU Directive 2015/863/EU: | Yes |
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |
| EU CE Mark: | No |

| | |
|---------------------------------------|------------|
| EU RoHS Compliance Date (yyyy-mm-dd): | 2004-01-01 |
| MII Order #39 (China RoHS): | Yes |

Plenum/Non-Plenum

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

Part Number

Variants

| Item # | Color | Putup Type | Length | UPC |
|---------------|--------------------|------------|----------|--------------|
| 1407B J5C1000 | Black, Vivid Matte | Reel | 1,000 ft | 612825355090 |

| | |
|-----------|------------------------|
| Footnote: | C - CRATE REEL PUT-UP. |
|-----------|------------------------|

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.242 Revision Date: 06-24-2020 |
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