



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

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

Inner Jacket

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

Outer Shield

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

Outer Jacket

| 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

| 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 Frequency

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

Mechanical Characteristics

|                                      |               |
|--------------------------------------|---------------|
| Bulk Cable Weight:                   | 93 lbs/1000ft |
| Maximum Recommended Pulling Tension: | 138 lbs       |
| Minimum Minor Axis Bend Radius:      | 4.5 in        |

Standards

|              |         |
|--------------|---------|
| RG Type:     | Mini 59 |
| Series Type: | 59      |

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 2):            | Yes                           |
| EU Directive 2012/19/EU (WEEE):              | Yes                           |
| EU Directive 2015/863/EU (RoHS 2 amendment): | Yes                           |
| EU Directive Compliance:                     | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                                  | No                            |
| MII Order #39 (China RoHS):                  | Yes                           |

Plenum/Non-Plenum

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

Related Part Numbers

Variants

| Item #        | Color              | Put-Up 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: 0.332 Revision Date: 02-03-2025 |
|----------------------|--------------------------------------------------|

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