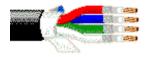


Product: <u>1407B</u> ☑



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



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 (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 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 |
|------------------------------|---------------|
| Max. Pull Tension: | 138 lbs |
| Min. Bend Radius/Minor Axis: | 4.5 in |

Standards

| RG Type: | Mini 59 |
|----------------------|---------|
| Series Type: | 59 |
| Other Specification: | 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 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 | 6128253550 |
| Footnote: | | | | C - CRA |

History

| Update and Revision: | Revision Number: 0.330 Revision Date: 11-09-2022 |
|----------------------|--|

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