

Product: [1406B](#) 

RGB Video, High Flex, #26-3 Coax Stranded BC



Product Description

RGB Video Coax, 3-26 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         | 3           |

|                  |   |
|------------------|---|
| Conductor Count: | 3 |
|------------------|---|

Insulation

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

Color Chart

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

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 | 0.388 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 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:               | 73 lbs/1000ft |
| Max Recommended Pulling Tension: | 103 lbs       |
| Min Bend Radius/Minor Axis:      | 4 in          |

Standards

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

Suitability

|                       |     |
|-----------------------|-----|
| Suitability - Indoor: | Yes |
|-----------------------|-----|

Plenum/Non-Plenum

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

Part Number

Variants

| Item #        | Color              | Putup Type | Length   | UPC          |
|---------------|--------------------|------------|----------|--------------|
| 1406B J5C1000 | Black, Vivid Matte | Reel       | 1,000 ft | 612825355106 |

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

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.238 Revision Date: 04-28-2020 |
|----------------------|--------------------------------------------------|

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