

Part Number: 1164B



RGB Video, #26-3 Coax Stranded BC, CM

Product Description

RGB Video Coax, Rated-CM, 3-26 AWG solid bare copper conductors, foam polyethylene insulation, Duofoil® + 95% tinned copper interlocked braid, inner PVC jackets, PVC jacket

Technical Specifications

Product Overview

| | |
|----------------------|------------------------------------|
| Environmental Space: | Indoor Rated (Not Riser or Plenum) |
|----------------------|------------------------------------|

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | Nominal Diameter | No. of Coax |
|-----|-----------|------------------|------------------|-------------|
| 26 | 7x34 | BC - Bare Copper | 0.019 in | 3 |

| | |
|-----------------------------|---|
| Total Number of Conductors: | 3 |
|-----------------------------|---|

Insulation

| Material | Nominal Diameter |
|----------------------------------------|------------------|
| FHDPE - Foam High Density Polyethylene | 0.089 in |

Color Chart

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

Color Chart 3

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

Inner Shield Material

| Type | Layer | Material | Material Trade Name | Coverage [%] |
|-------|-------|--------------------------------------------|---------------------|--------------|
| Tape | 1 | Aluminum Foil-Polyester Tape-Aluminum Foil | Duofoil® | 100 % |
| Braid | 2 | TC - Tinned Copper | | 95 % |

Inner Jacket Material

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

Outer Jacket Material

| Material | Nominal Diameter | Separator Material |
|--------------------------|------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.388 in | Polyester Tape |

Electrical Characteristics

Capacitance

Nom. Capacitance Conductor to Shield

17.3 pF/ft

Shielding: Foil + Braid(s)

Construction and Dimensions

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 | 8.8 Ohm/1000ft |

Impedance

Nominal Characteristic Impedance

75 Ohm

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 % |

Voltage

UL Voltage Rating

300 V RMS

300 V RMS (CM)

Applicable Standards & Environmental Programs

| | |
|---------------------------------------|-------------------------------|
| CEC/C(UL) Specification: | CM |
| 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 |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |
| Other Specification: | SMPTE |

Standards

| | |
|-------------------------|-------------------|
| NEC/(UL) Specification: | CM |
| RG Type: | Mini RG-59/U Type |

| | |
|---------------|----------------------------------------------------------------|
| UL AWM Style: | UL Style 1354 (30 V 60°C) (each coax); UL Style 2668 (overall) |
|---------------|----------------------------------------------------------------|

Flame Test

| | |
|------------------|-------------------|
| UL Flammability: | UL1685 UL Loading |
|------------------|-------------------|

Safety

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

Suitability

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

Mechanical Characteristics

| | |
|----------------------------------|----------------|
| Operating Temp Range: | -40°C To +60°C |
| Bulk Cable Weight: | 70(lbs/1000ft) |
| Max Recommended Pulling Tension: | 103(lbs) |
| Min Bend Radius/Minor Axis: | 4(in) |

Temperature Range

| | |
|-----------------|------|
| UL Temp Rating: | 60°C |
|-----------------|------|

Plenum/Non-Plenum

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

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