


Product: [1167B](#) 

RGB Video, #26-4 Coax Stranded BC, CM



Product Description

RGB Video Coax, Rated-CM, 4-26 AWG solid bare copper conductors, foam polyethylene insulation, Duofoil® + 95% tinned copper interlocked braid, inner PVC jackets, 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 | Tri-Laminate (Alum+Poly+Alum) | Duofoil® | 100% |
| Braid | 2 | Tinned Copper (TC) | | 95% |

Inner Jacket Material

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

Outer Jacket Material

| Material | Nominal Diameter | Separator Material |
|--------------------------|------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.435 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 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% |

Voltage

UL Voltage Rating

30 V RMS

300 V RMS (CM)

Electrical Characteristics Notes: 30 V RMS (UL AWM Style 1354) 300 V RMS (CM)

Temperature Range

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

Mechanical Characteristics

| | |
|-----------------------------|---------------|
| Bulk Cable Weight: | 95 lbs/1000ft |
| Max. Pull Tension: | 138 lbs |
| Min Bend Radius/Minor Axis: | 4.5 in |

Standards

| | |
|--------------------------|--|
| NEC/(UL) Compliance: | CM |
| CEC/C(UL) Compliance: | CM |
| UL AWM Style Compliance: | UL Style 1354 (30 V 60°C) (each coax); UL Style 2668 (overall) |
| RG Type: | Mini 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 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 |
|-----------------------|-----|

Flammability, LSOH, Toxicity Testing

| | |
|--------------------|-------------------|
| UL Flammability: | UL1685 UL Loading |
| UL voltage rating: | 30 V RMS |

Plenum/Non-Plenum

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

Part Number

Variants

| Item # | Color | Putup Type | Length | UPC |
|---------------|-------|------------|----------|--------------|
| 1167B 0101000 | Black | Reel | 1,000 ft | 612825355045 |

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

History

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| Update and Revision: | Revision Number: 0.282 Revision Date: 09-30-2020 |
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