




**Product:** [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

### Physical Characteristics (Overall)

#### Conductor

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

Conductor Count:	3
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#### Insulation

Material	Nominal Diameter
PE - Polyethylene (Foam)	0.089 in

#### Color Chart

Number	Color
1	Red
2	Green
3	Blue

#### 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 Jacket

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	8.8 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**

300 V RMS

300 V RMS (CM)

Electrical Characteristics Notes:	30 V RMS (UL AWM Style 1354), 300 V RMS (CM)
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**Temperature Range**

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

**Mechanical Characteristics**

Bulk Cable Weight:	70 lbs/1000ft
Max. Pull Tension:	103 lbs
Min. Bend Radius/Minor Axis:	4 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 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

**Suitability**

Suitability - Indoor:	Yes
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## Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 UL Loading
UL voltage rating:	300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Part Number

### Variants

Item #	Color	Put-Up Type	Length	UPC
1164B 010500	Black	Reel	500 ft	612825355052
1164B 0101000	Black	Reel	1,000 ft	612825355069

Footnote:	C - CRATE REEL PUT-UP.
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## History

Update and Revision:	Revision Number: 0.341 Revision Date: 09-10-2021
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