

## 1164B Coax - Bundled RGB Coaxial Cable



For more Information  
please call

1-800-Belden1



### General Description:

26 AWG stranded (7x34) .019" bare copper conductors, foam HDPE insulation, Duofoil® + tinned copper braid shield (95% coverage), overall PVC jacket, inner PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
3	26	7x34	BC - Bare Copper	.019

Total Number of Conductors: 3

#### Insulation

Insulation Material:

Insulation Material	Dia. (in.)
FHDPE - Foam High Density Polyethylene	.089

#### Inner Shield

Inner Shield Material:

Layer #	Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
1	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100.000
2		Braid	TC - Tinned Copper	95.000

#### Inner Jacket

Inner Jacket Material:

Inner Jacket Material	Nom. Dia. (in.)
PVC - Polyvinyl Chloride	.146

Inner Jacket Color Code Chart:

Number	Color
1	Red
2	Green
3	Blue

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

#### Overall Cable

Overall Cabling Separator Material: Polyester Tape

Overall Nominal Diameter: 0.388 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +60°C

UL Temperature Rating: 60°C (UL AWM Style 1354)

Bulk Cable Weight: 70 lbs/1000 ft.

Max. Recommended Pulling Tension: 103 lbs.

Min. Bend Radius/Minor Axis: 4 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CM

CEC/C(UL) Specification: CM

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

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: No

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EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MIL Order #39 (China RoHS):	Yes
Other Specification:	SMPTE

### Flame Test

UL Flame Test:	UL1685 UL Loading
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### Plenum/Non-Plenum

Plenum (Y/N):	No
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## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)

75

### Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

17.3

### Nominal Velocity of Propagation:

VP (%)

78

### Nominal Delay:

Delay (ns/ft)

1.30

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

41.5

### Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

8.6

### Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	0.6
5	1.3
10	1.8
30	3.1
50	3.9
100	5.4
200	7.5
400	10.4
700	13.5
900	15.2
1000	15.9

### Max. Operating Voltage - UL:

Voltage

30 V RMS (UL AWM Style 1354)

300 V RMS (CM)

### Minimum Return Loss:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
		10	40	25

### Sweep Test

Sweep Testing: 100% sweep tested 10 MHz to 40 MHz.

## Misc. Information (Overall)

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1164B 0101000	1,000 FT	78.000 LB	BLACK	C	3 #26 FPE SH PVC PVC

## ENGLISH MEASUREMENT VERSION

### 1164B Coax - Bundled RGB Coaxial Cable

1164B 010500	500 FT	38.000 LB	BLACK	C	3 #26 FPE SH PVC PVC
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**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 2    Revision Date: 10-15-2012

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