

## 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.
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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



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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.

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