

## 1167B Coax - Bundled RFB 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. (mm)
4	26	7x34	BC - Bare Copper	0.4826

Total Number of Conductors: 4

**Insulation**

Insulation Material:

Insulation Material	Dia. (mm)
FHDPE - Foam High Density Polyethylene	2.2606

**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. (mm)
PVC - Polyvinyl Chloride	3.7084

Inner Jacket Color Code Chart:

Number	Color
1	Red
2	Green
3	Blue
4	White

**Outer Jacket**

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

**Overall Cable**

Overall Cabling Separator Material: Polyester Tape

Overall Nominal Diameter: 11.049 mm

**Mechanical Characteristics (Overall)**

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

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

Bulk Cable Weight: 141.379 Kg/Km

Max. Recommended Pulling Tension: 613.852 N

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Min. Bend Radius/Minor Axis: 114.300 mm

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; 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

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 &amp; Cable): Yes

MII Order #39 (China RoHS): Yes

Other Specification: SMPTE

## Flame Test

UL Flame Test: UL1685 UL Loading

## Plenum/Non-Plenum

Plenum (Y/N): No

## Electrical Characteristics (Overall)

## Nom. Characteristic Impedance:

 Impedance (Ohm)  
 75

## Nom. Capacitance Conductor to Shield:

 Capacitance (pF/m)  
 56.7613

## Nominal Velocity of Propagation:

 VP (%)  
 78

## Nominal Delay:

 Delay (ns/m)  
 4.2653

## Nom. Conductor DC Resistance:

 DCR @ 20°C (Ohm/km)  
 136.162

## Nom. Inner Shield DC Resistance:

 DCR @ 20°C (Ohm/km)  
 28.2166

## Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	1.9686
5	4.2653
10	5.9058
30	10.1711
50	12.7959
100	17.7174
200	24.6075

## 1167B Coax - Bundled RFB Coaxial Cable

400	34.1224
700	44.2935
900	49.8712
1000	52.1679

**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
1167B 0101000	1,000 FT	102.000 LB	BLACK	C	4 #26 FPE SH PVC PVC

**Notes:**

C = CRATE REEL PUT-UP.

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