

## 1417B Coax - Bundled RGB Coaxial Cable High Flex Type



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.

**Physical Characteristics (Overall)****Conductor**

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
5	26	7x34	BC - Bare Copper	0.4826

Total Number of Conductors: 5

**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
5	Yellow

**Outer Jacket**

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

**Overall Cable**

Overall Cabling Separator Material: Polyester Tape

Overall Nominal Diameter: 12.116 mm

**Mechanical Characteristics (Overall)**

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

Non-UL Temperature Rating: 60°C

Bulk Cable Weight: 153.285 Kg/Km

Max. Recommended Pulling Tension: 765.090 N

Min. Bend Radius/Minor Axis: 120.650 mm

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

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

EU CE Mark: No

EU Directive 2000/53/EC (ELV): Yes

METRIC MEASUREMENT VERSION

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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
RG Type:	Mini 59/U
Plenum/Non-Plenum	
Plenum (Y/N):	No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
75

Nom. Capacitance Cond. to Other Conductor & 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
400	34.1224
700	44.2935
900	49.8712
1000	52.1679

Max. Operating Voltage - Non-UL:

Voltage
30 V RMS (UL AWM Style 2960)
150 V RMS

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
1417B J5C1000	1,000 FT	111.000 LB	BLACK, VIVID MATTE	C	5 #26 FPE SH PVC PVC

Notes:  
C = CRATE REEL PUT-UP.

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