

## 1418B 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.)
5	26	7x34	BC - Bare Copper	.019

Total Number of Conductors: 5

**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
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: 0.477 in.

**Mechanical Characteristics (Overall)**

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

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

Bulk Cable Weight: 109 lbs/1000 ft.

Max. Recommended Pulling Tension: 172 lbs.

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Min. Bend Radius/Minor Axis:	4 in.
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## 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 & Cable):	Yes
MII Order #39 (China RoHS):	Yes
Other Specification:	SMPTE

## Flame Test

UL Flame Test:	UL 1685 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

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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
1418B 0101000	1,000 FT	116.000 LB	BLACK	C	5 #26 FPE SH PVC PVC
1418B 010500	500 FT	61.500 LB	BLACK	C	5 #26 FPE SH PVC PVC

**Notes:**

C = CRATE REEL PUT-UP.

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