



**Part Number:** 1417B

RGB Video, High Flex, #26-5 Coax Stranded BC

## Product Description

RGB Video Coax, 5-26 AWG stranded bare copper conductors, foam HDPE insulation, Duofoil® +95% tinned copper braid shield, inner PVC jackets, flexible PVC jacket

## Technical Specifications

### Construction and Dimensions

#### Conductor:

AWG	Stranding	Material	Nominal Diameter	No. of Coax
26	7x34	BC - Bare Copper	0.019 in	5
Total Number of Conductors:			5	

#### Insulation:

Material	Nominal Diameter
FHDPE - Foam High Density Polyethylene	0.089 in

#### Color Chart 3:

Number	Color
1	Red
2	Green
3	Blue
4	White
5	Yellow

#### Innershield:

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Aluminum Foil-Polyester Tape-Aluminum Foil	Duofoil®	100 %
Braid	2	TC - Tinned Copper		95 %

**Innerjacket:**

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.146 in

**Outerjacket 1:**

Material	Nominal Diameter	Separator Material
PVC - Polyvinyl Chloride	0.477 in	Polyester Tape

**Electrical Characteristics****Conductor DCR:**

Nominal Conductor DCR	Nominal Inner Shield DCR
41.5 Ohm/1000ft	8.6 Ohm/1000ft

**Capacitance:**

Nom. Capacitance Conductor to Other Conductor to Shield
17.3 pF/ft

<b>Sweep Testing:</b>	100% sweep tested 10 MHz to 40 MHz.
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**Impedance:**

Nominal Characteristic Impedance
75 Ohm

**High Frequency (Nominal/Typical):**

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.6 dB/100ft
5 MHz	1.3 dB/100ft
10 MHz	1.8 dB/100ft
30 MHz	3.1 dB/100ft
50 MHz	3.9 dB/100ft
100 MHz	5.4 dB/100ft
200 MHz	7.5 dB/100ft
400 MHz	10.4 dB/100ft
700 MHz	13.5 dB/100ft
900 MHz	15.2 dB/100ft
1000 MHz	15.9 dB/100ft

**Delay:**

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.3 ns/ft	78 %

## High Freq:

Min. RL (Return Loss) [dB]
25 dB

## Voltage:

Non-UL Voltage Rating
30V RMS (UL AWM Style 2960)
150V RMS V

## Use

Max Recommended Pulling Tension:	172 lbs
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## Temperature Range

Non-UL Temp Rating:	60°C °C
Operating Temp Range:	-40°C To +60°C °C

## Mechanical Characteristics

Min Bend Radius/Minor Axis:	4.75 in
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## Part Number

Plenum (Y/N):	No
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## Standards

CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
Other Specification:	SMPTE
RG Type:	Mini 59/U
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	No

## Product Variants

Part Number	Color	Put-Up Type	Length
1417B	BLACK, VIVID MATTE	Reel	1000 ft
1417B	MATTE VIVID BLACK	Reel	305 m
1417B J5C1000	BLACK, VIVID MATTE	Reel	1000 ft
1417B	MATTE VIVID BLACK	Reel	305 m
1417B			

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