



Product: [1418B](#)



RGB Video, #26-5 Coax Stranded BC, CM

Product Description

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

Technical Specifications

Physical Characteristics (Overall)

Conductor

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

Conductor Count: 5

Insulation

Material	Nominal Diameter
PE - Polyethylene (Foam)	0.089 in

Color Chart

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

Inner Shield

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Tri-Laminate (Alum+Poly+Alum)	Duofoil®	100%
Braid	2	Tinned Copper (TC)		95%

Inner Jacket

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.146 in

Outer Jacket

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

Electrical Characteristics

Conductor DCR

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

Capacitance

Nom. Capacitance Conductor to Shield

17.3 pF/ft

Impedance

Nominal Characteristic Impedance

75 Ohm

Return Loss (RL)

Frequency [MHz] Minimum Return (RL)

10-40 MHz 25 dB

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 Frequency

Frequency [MHz] Max. Insertion Loss (Attenuation)

30 MHz 3.6 dB/100ft

Voltage

UL Voltage Rating Voltage Rating [V]

30 V RMS 300 V RMS

300 V RMS (CM)

Electrical Characteristics Notes: 30 V RMS (UL AWM Style 1354) 300 V RMS (CM)

Temperature Range

UL Temp Rating: 60°C

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

Mechanical Characteristics

Bulk Cable Weight: 109 lbs/1000ft

Max. Pull Tension: 172 lbs

Min. Bend Radius/Minor Axis: 4 in

Standards

NEC/(UL) Compliance: CM

CEC/C(UL) Compliance: CM

UL AWM Style Compliance: AWM 1354 (30 V 60°C) (each coax), AWM 2668 (overall)

CPR Euroclass: Eca

RG Type: Mini 59

Series Type: 59

Applicable Environmental and Other Programs

Environmental Space: Indoor (Not Riser or Plenum)

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

EU Directive 2003/11/EC (BFR): Yes

EU Directive 2011/65/EU (RoHS 2): Yes

EU Directive 2012/19/EU (WEEE): Yes

EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	No
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 UL Loading
UL voltage rating:	30 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
1418B 010500	Black	Reel	500 ft	612825357896
1418B 0101000	Black	Reel	1,000 ft	612825355076

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.382 Revision Date: 02-03-2025
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