


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
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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 Material

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Alum / Poly / Alum	Duofoil®	100%
Braid	2	TC - Tinned Copper		95%

Inner Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.146 in

Outer Jacket Material

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)
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10-40 MHz	25 dB
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High Frequency (Nominal/Typical)

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

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

Frequency [MHz]	Max. Insertion Loss (Attenuation)
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30 MHz	3.6 dB/100ft
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Voltage

UL Voltage Rating	Voltage Rating [V]
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30 V RMS	300 V RMS
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300 V RMS (CM)	
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Electrical Characteristics Notes:	30 V RMS (UL AWM Style 1354) 300 V RMS (CM)
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Temperature Range

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

Bulk Cable Weight:	109 lbs/1000ft
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Max. Pull Tension:	172 lbs
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Min Bend Radius/Minor Axis:	4 in
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Standards

NEC/(UL) Compliance:	CM
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CEC/C(UL) Compliance:	CM
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UL AWM Style Compliance:	UL Style 1354 (30 V 60°C) (each coax); UL Style 2668 (overall)
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RG Type:	Mini 59/U Type
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Series Type:	Series 59
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Other Compliance:	SMPTE
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Applicable Environmental and Other Programs

Environmental Space:	Indoor (Not Riser or Plenum)
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EU Directive 2000/53/EC (ELV):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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EU Directive 2011/65/EU (ROHS II):	Yes
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EU Directive 2012/19/EU (WEEE):	Yes
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EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	No
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
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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Part Number

Variants

Item #	Color	Putup 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: 0.245 Revision Date: 04-28-2020
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