



Part Number: 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

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 Shield
17.3 pF/ft

Sweep Testing:	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:

UL Voltage Rating
30V RMS (UL AWM Style 1354) V
300V RMS (CM)

Use

Max Recommended Pulling Tension:	172 lbs
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Safety

UL Flammability:	UL1685 UL Loading
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Temperature Range

Operating Temp Range:	-40°C To +60°C °C
UL Temp Rating:	60°C (UL AWM Style 1354) °C

Mechanical Characteristics

Min Bend Radius/Minor Axis:	4 in
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Part Number

Plenum (Y/N):	No
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Standards

CA Prop 65 (CJ for Wire & Cable):	Yes
CEC/C(UL) Specification:	CM
MII Order #39 (China RoHS):	Yes
NEC/(UL) Specification:	CM
Other Specification:	SMPTE
UL AWM Style:	UL Style 1354 (30 V 60°C) (each coax); UL Style 2668 (overall)
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)

EU CE Mark:

No

Product Variants

Part Number	Color	Put-Up Type	Length
1418B	BLACK	Reel	1000 ft
1418B	BLACK	Reel	305 m
1418B 0101000	BLACK	Reel	1000 ft
1418B	BLACK	Reel	500 ft
1418B	BLACK	Reel	152 m
1418B 010500	BLACK	Reel	500 ft
1418B	BLACK	Reel	305 m
1418B			

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