



## Technical Specifications

Product Line: **RGB5C-PSH**

### Description

RGB cable with five 26 AWG stranded core dual shielded mini-high resolution coaxial cables jacketed under an overall shield and jacket

NEC type CMP and CEC type CMP FT6. Product manufactured compliant to the requirements of UL444 for installations and applications in accordance with NEC articles 725, 800 and 820.

### Conductor

26 AWG

7-strand tinned annealed bare copper conductors

Diameter: 0.019" | 0.48mm

### Insulation

Foam fluoropolymer

Wall thickness: 0.0285" | 0.725mm

Diameter: 0.076" | 1.93mm

### Shield

Each coaxial cable

100% aluminum/poly tape foil in

95% 52/38 AWG tinned copper spiral serve shield

### Inner Jacket and Diameter

Plenum rated polyvinyl chloride

Wall thickness: 0.008" | 0.20mm

Diameter: 0.104" | 2.64mm

### Color Code

Inner coaxial jackets

Red, Green, Blue, White, Yellow

### Construct

5 jacketed coaxial cable cabled on a common axis

26 AWG 7-strand tinned copper drain

100% aluminum/poly tape foil in

Ripcord under jacket

### Jacket

Plenum rated polyvinyl chloride

Colors: Black

Wall thickness: 0.018" | 0.46mm

Diameter: 0.327" | 8.31mm

Specification Revision Date:

### Electrical

DC resistance: 41.0  $\Omega$  / 1000' | 134.48  $\Omega$ /KM

Shield DCR: 13.1  $\Omega$  / 1000' | 42.97  $\Omega$ /KM

Mutual capacitance: 16.0 pF/FT | 52.48 pF/M

Impedance: 75  $\pm$  3  $\Omega$

Velocity of Propagation: 83%

Voltage rating: 300V

SRL 5-450 MHz: -17 dB

### Regulatory

NEC: CMP 75°C

CEC: CMP FT6 60°C

EU RoHS 2002/95/EC Compliant

### Packages

Reel: 1000' | 305M

Weight: 56 Lbs/1000' | 84 Kg/KM

### Installation

Pull Tension: 47 Lbs | 210 N

Bend radius: 3.27" | 84mm unloaded

Bend radius: 6.54" | 168mm loaded

Plenum cable should be conditioned at room temperature for 24 hours prior to installation and never installed below 32°F | 0°C ambient temperature

### Applications

Plenum Component Video, A/V, Composite Video, RGBHV

Plenum analog audio unbalanced formats

Plenum digital audio unbalanced formats

### Performance

HD-Component to 86 feet

CCTV to 216 feet

Analog RCA audio 125 feet

S/PDIF digital audio 216 feet

### Final Outside Diameter (inches)

0.327

November 28, 2007





Mini-High Resolution Coaxial Sweep to 1.0 GHz

Frequency	Attenuation	
	dB/100FT	dB/100m
1	0.60	1.97
3.58	1.12	3.67
10	1.90	6.23
71.5	4.80	15.74
135	7.10	23.29
200	7.40	24.27
400	11.80	38.70
1000	21.40	70.19

