



## Technical Specifications

Product Line: **RGB6C/22-2P**

### Description

RGB Composite cable with six 26 AWG stranded core dual shielded mini-high resolution coaxial cables and two 22 AWG pairs under an overall jacket

NEC type CM and CEC type CMH FT1. Product manufactured compliant to the requirements of UL444 for installations and applications in accordance with NEC articles 725, 800 and 820.

### Component 1:

Mini high resolution coaxial cables  
26 AWG 7-strand tinned annealed bare copper  
Foam polyethylene dielectric insulation  
Wall thickness: 0.029" | 0.737mm  
Diameter: 0.077" | 1.96mm  
95% 70/40 tinned copper spiral serve shield  
100% aluminum/poly shield foil in  
Polyvinyl chloride coaxial jacket  
Wall thickness: 0.011" | 0.28mm  
Diameter: 0.107" | 2.72mm

### Electrical

DC resistance: 41.0  $\Omega$  / 1000' | 134.48  $\Omega$ /KM  
Shield DCR: 15.5  $\Omega$  / 1000' | 50.84  $\Omega$ /KM  
Mutual capacitance: 18.0 pF/FT | 59.0 pF/M  
Impedance: 75  $\pm$  3  $\Omega$   
Velocity of Propagation: 78%  
Voltage rating: 300V  
SRL 5-450 MHz: -17 dB  
22 AWG DC resistance: 16.2  $\Omega$  / 1000' | 53.14  $\Omega$ /KM  
Mutual capacitance: 19.0 pF/FT | 62.32 pF/M  
Maximum current: (22 AWG) 2.0A@25°C

### Component 2:

22 AWG jacketed pairs  
22 AWG 19-strand tinned annealed bare copper  
Polyvinyl chloride insulation  
Wall thickness: 0.007" | 0.18mm  
Diameter: 0.046" | 1.17mm  
two conductors twisted and shielded  
100% aluminum/poly tape foil in  
22 AWG 7-strand tinned copper drain  
Polyvinyl chloride coaxial jacket  
Wall thickness: 0.011" | 0.28mm  
Diameter: 0.118" | 2.99mm

### Regulatory

NEC: CM 60°C  
CEC: CMG FT4 60°C  
EU RoHS 2002/95/EC Compliant

### Color Code

Inner coaxial jackets  
Red, Green, Blue, White, Yellow, Black  
22 AWG pair jackets  
Red, Black  
22 AWG color code  
Black jacket: White, Black  
Red jacket: Red, Black

### Packages

Reel: 500' | 152M  
Weight: 86 Lbs/1000' | 129 Kg/KM

### Assembly

6 jacketed coaxial cables and 1 jacketed pair cabled around 1 jacketed pair with fillers as required for roundness

### Installation

Pull Tension: 68 Lbs | 303 N  
Bend radius: 4.10" | 105mm unloaded  
Bend radius: 8.20" | 210mm loaded





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**Construct**

100% aluminum/poly tape foil out  
Ripcord under jacket

**Shield**

See individual component descriptions

**Jacket**

Polyvinyl chloride  
Colors: Matte Black  
Wall thickness: 0.022" | 0.56mm  
Diameter: 0.418" | 10.62mm

Specification Revision Date:

**Applications**

General purpose Component, Composite Video, A/V, RGBHV  
Projector support cable for multi-channel A/V options  
General purpose analog audio unbalanced formats  
General purpose 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)**

0.418

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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

