



Technical Specifications

Product Line: RGB5C-25-CM

Description

RGB cable with five 25 AWG solid core dual shielded mini-high resolution coaxial cables jacketed under an overall jacket

NEC type CM and CEC type CMG FT4. Product manufactured compliant to the requirements of UL444 for installations and applications in accordance with NEC articles 725, 800 and 820.

Conductor

25 AWG

Solid annealed bare copper conductors

Diameter: 0.018" | 0.46mm

Insulation

Foam polyethylene

Wall thickness: 0.030" | 0.75mm

Diameter: 0.077" | 1.95mm

Shield

Each coaxial cable

100% aluminum/poly tape

90% 56/38 AWG tinned copper spiral serve shield

Inner Jacket and Diameter

Polyvinyl chloride

Wall thickness: 0.09" | 0.23mm

Diameter: 0.109" | 2.76mm

Color Code

Inner coaxial jackets

Red, Green, Blue, White, Yellow

Contract

5 jacketed coaxial cables cabled on a common axis

Fillers as required for roundness

Ripcord under jacket

Jacket

Polyvinyl chloride

Colors: Matte Black

Wall thickness: 0.026" | 0.66mm

Diameter: 0.340" | 8.64mm

Specification Revision Date:

Electrical

DC resistance: 34.0 Ω / 1000' | 111.52 Ω /KM

Shield DCR: 13.1 Ω / 1000' | 42.97 Ω /KM

Mutual capacitance: 18.0 pF/FT | 59.04 pF/M

Impedance: 75 \pm 3 Ω

Velocity of Propagation: 78%

Voltage rating: 300V

SRL 5-450 MHz: -17 dB

Regulatory

NEC: CM 75 °C

CEC: CMG FT4 60 °C

EU RoHS 2002/95/EC Compliant

Packages

Reel: 1000' | 305M

Weight: 59 Lbs/1000' | 88 Kg/KM

Installation

Pull Tension: 49 Lbs | 218 N

Bend radius: 3.40" | 87mm unloaded

Bend radius: 6.80" | 174mm loaded

Applications

General purpose Component, Composite Video, A/V, RGBHV

General purpose analog audio unbalanced formats

General purpose digital audio unbalanced formats

Performance

HD-Component to 96 feet

CCTV to 251 feet

Analog RCA audio 125 feet

S/PDIF digital audio 251 feet

Final Outside Diameter (inches)

0.340

June 23, 2006





Mini-High Resolution Coaxial Sweep to 1.0 GHz

Frequency	Attenuation	
	dB/100FT	dB/100m
1	0.51	1.67
3.58	0.96	3.15
10	1.61	5.28
71.5	4.31	14.14
135	5.93	19.45
200	7.10	23.29
400	10.50	34.44
1000	17.90	58.71

