

## Technical Specifications

### Product Line: RGB5C-25-CMP

#### Description

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

25 AWG

Solid annealed bare copper conductors

Diameter: 0.018" | 0.46mm

#### Electrical

DC resistance: 34.0  $\Omega$  / 1000' | 111.52  $\Omega$ /KM

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

Mutual capacitance: 16.8 pF/FT | 55.10 pF/M

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

Velocity of Propagation: 81%

Voltage rating: 300V

SRL 5-450 MHz: -17 dB

#### Insulation

Foam fluorinated ethylene propylene

Wall thickness: 0.028" | 0.71mm

Diameter: 0.074" | 1.88mm

#### Regulatory

NEC: CMP 75°C

CEC: CMP FT6 60°C

EU RoHS 2002/95/EC Compliant

#### Shield

Each coaxial cable

100% aluminum/poly tape

90% 56/38 AWG tinned copper spiral serve shield

#### Packages

Reel: 1000' | 305M

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

#### Inner Jacket and Diameter

Plenum rated polyvinyl chloride

Wall thickness: 0.010" | 0.25mm

Diameter: 0.106" | 2.69mm

#### Installation

Pull Tension: 49 Lbs | 218 N

Bend radius: 3.42" | 87mm unloaded

Bend radius: 6.84" | 174mm 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

#### Color Code

Inner coaxial jackets

Red, Green, Blue, White, Yellow

#### Applications

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

Plenum analog audio unbalanced formats

Plenum digital audio unbalanced formats

#### Contract

5 jacketed coaxial cables cabled on a common axis

Ripcord under jacket

#### Performance

HD-Component to 96 feet

CCTV to 251 feet

Analog RCA audio 125 feet

S/PDIF digital audio 251 feet

#### Jacket

Plenum rated polyvinyl chloride

Colors: Black

Wall thickness: 0.032" | 0.81mm

Diameter: 0.342" | 8.69mm

#### Final Outside Diameter (inches)

0.342

Specification Revision Date:

May 29, 2013

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