



Technical Specifications

Product Line: RGB5C-23-CM

Description

RGB cable with five 23 AWG solid core dual shielded mini-RG59 serial digital 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

23 AWG

Solid annealed bare copper conductors

Diameter: 0.0227" | 0.58mm

Insulation

Foam polyethylene

Wall thickness: 0.039" | 1.01mm

Diameter: 0.100" | 2.59mm

Shield

Each coaxial cable

100% bonded aluminum/poly tape

95% 16x7/36 AWG tinned copper braid shield

Inner Jacket and Diameter

Polyvinyl chloride

Wall thickness: 0.019" | 0.48mm

Diameter: 0.165" | 4.19mm

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

100% paper tape binder

Ripcord under jacket

Jacket

Polyvinyl chloride

Colors: Matte Black

Wall thickness: 0.054" | 1.37mm

Diameter: 0.540" | 13.72mm

Specification Revision Date:

Electrical

DC resistance: 20.3 Ω / 1000' | 66.58 Ω /KM

Shield DCR: 4.0 Ω / 1000' | 13.12 Ω /KM

Capacitance: 16.5 pF/FT | 54.1 pF/M

Impedance: 75 \pm 3 Ω

Velocity of Propagation: 84%

Voltage rating: 300V

SRL 5-450 MHz: -23 dB

SRL 451-2400 MHz: -15 dB

Regulatory

NEC: CM 75 °C

CEC: CMG FT4 60 °C

EU RoHS 2002/95/EC Compliant

Packages

Reel: 500' | 152M

Weight: 156 Lbs/1000' | 233 Kg/KM

Installation

Pull Tension: 133 Lbs | 592 N

Bend radius: 5.40" | 138mm unloaded

Bend radius: 10.80" | 276mm loaded

Applications

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

General purpose CATV and DBS modulated video

General purpose analog audio unbalanced formats

General purpose digital audio unbalanced formats

Performance

RGBHV WUXGA to 58 feet

HD-Component to 137 feet

CATV to 77 feet

CCTV to 313 feet

Analog RCA audio 125 feet

Final Outside Diameter (inches)

0.540

September 9, 2008





Mini-RG59 Coaxial Sweep to 3.0 GHz

Frequency	Attenuation	
	dB/100FT	dB/100m
1	0.38	1.25
3.58	0.77	2.53
10	1.29	4.23
71.5	3.04	9.97
135	4.18	13.71
270	5.92	19.42
360	6.70	21.98
720	9.47	31.06
1000	11.16	36.60
1200	12.22	40.08
1450	13.44	44.08
1800	14.97	49.10
2500	17.65	57.89
3000	19.33	63.40

