



Technical Specifications

Product Line: RGB5C-23-CMP

Description

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

23 AWG

Solid annealed bare copper conductors

Diameter: 0.0227" | 0.58mm

Electrical

DC resistance: 20.70 Ω / 1000' | 67.90 Ω /KM

Shield DCR: 7.60 Ω / 1000' | 24.93 Ω /KM

Mutual capacitance: 16.4 pF/FT | 53.79 pF/M

Impedance: 75 \pm 3 Ω

Velocity of Propagation: 83%

Voltage rating: 300V

SRL 5-450 MHz: -23 dB

SRL 451-2400 MHz: -15 dB

Insulation

Foam fluorinated ethylene propylene

Wall thickness: 0.039" | 1.01mm

Diameter: 0.101" | 2.56mm

Regulatory

NEC: CMP 125 °C

CEC: CMP FT6 60 °C

EU RoHS 2002/95/EC Compliant

Shield

Each coaxial cable

100% aluminum/poly tape

96% 16x7/36 AWG tinned copper braid shield

Packages

Reel: 1000' | 305M

Weight: 132 Lbs/1000' | 196 Kg/KM

Inner Jacket and Diameter

Polyvinylidene fluoride

Wall thickness: 0.017" | 0.43mm

Diameter: 0.159" | 4.04mm

Installation

Pull Tension: 133 Lbs | 592 N

Bend radius: 4.60" | 117mm unloaded

Bend radius: 9.20" | 234mm 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 CATV and DBS modulated video

Plenum analog audio unbalanced formats

Plenum digital audio unbalanced formats

Construct

5 jacketed coaxial cables cabled on a common axis

Ripcord under jacket

Performance

RGBHV WUXGA to 58 feet

HD-Component to 137 feet

CATV to 77 feet

CCTV to 313 feet

Analog RCA audio 125 feet

S/PDIF digital audio 313 feet





Jacket

Polyvinylidene fluoride

Colors: Black

Wall thickness: 0.015" | 0.38mm

Diameter: 0.460" | 11.68mm

Final Outside Diameter (inches)

0.460

Specification Revision Date:

March 23, 2009

Mini-RG59 Coaxial Sweep to 3.0 GHz

Frequency	Attenuation	
	dB/100FT	dB/100m
1	0.33	1.08
3.58	0.64	2.10
10	1.07	3.51
71.5	3.00	9.84
135	4.30	14.10
270	6.08	19.94
360	7.02	23.03
720	10.62	34.83
1000	12.83	42.08
1200	14.05	46.08
1450	16.61	54.48
1800	18.50	60.68
2500	23.00	75.44
3000	25.19	82.62

