



Technical Specifications

Product Line: RGB5-MINI

Description

RGB cable with five 25 AWG stranded core single shielded mini-RG59 coaxial cables jacketed under an overall jacket

NEC type CMR 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

7-strand tinned annealed bare copper conductors

Diameter: 0.021" | 0.53mm

Electrical

DC resistance: 30.0 Ω / 1000' | 98.4 Ω /KM

Shield DCR: 6.02 Ω / 1000' | 19.74 Ω /KM

Mutual capacitance: 17.3 pF/FT | 56.7 pF/M

Impedance: 75 \pm 3 Ω

Velocity of Propagation: 78%

Voltage rating: 300V

SRL 1-450 MHz: -26 dB

Insulation

Foam polyethylene

Wall thickness: 0.039" | 0.99mm

Diameter: 0.099" | 2.51mm

Regulatory

NEC: CMR 60 °C

CEC: CMG FT4 60 °C

EU RoHS 2002/95/EC Compliant

Shield

Each coaxial cable

93% 16x7/38 AWG tinned copper braid shield

Packages

Reel: 500' | 152M

Reel: 1000' | 305M

Weight: 138 Lbs/1000' | 206 Kg/KM

Inner Jacket and Diameter

Polyvinyl chloride

Wall thickness: 0.016" | 0.41mm

Diameter: 0.150" | 3.81mm

Installation

Pull Tension: 85 Lbs | 379 N

Bend radius: 5.30" | 135mm unloaded

Bend radius: 10.60" | 270mm loaded

Color Code

Inner coaxial jackets

Red, Green, Blue, White, Yellow

Applications

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

Riser analog audio unbalanced formats

Riser digital audio unbalanced formats

Construct

3 jacketed coaxial cables cabled on a common axis

Fillers as required for roundness

100% non-woven polyester binder

Ripcord under jacket

Performance

HD-Component to 137 feet

CCTV to 313 feet

Analog RCA audio 125 feet

S/PDIF digital audio 251 feet

Jacket

Flame resistant polyvinyl chloride

Colors: Black

Wall thickness: 0.055" | 1.40mm

Diameter: 0.530" | 13.46mm

Final Outside Diameter (inches)

0.530

Specification Revision Date:

February 9, 2006





Mini-RG59 Coaxial Sweep to 1.0 GHz

Frequency	Attenuation	
	dB/100FT	dB/100m
1	0.41	1.34
3.58	0.83	2.72
5	0.98	3.21
10	1.39	4.56
50	2.45	8.04
100	4.60	15.09
200	6.44	21.12
400	9.18	30.11
700	12.14	39.82
900	13.77	45.17
1000	14.51	47.59

