



## Technical Specifications

**Product Line: RG59-CCTV**

### Description

20 AWG solid core bare copper single shield RG59 CCTV coaxial cable  
NEC type CM and CEC type CM. Product manufactured compliant to the requirements of UL444 for installations and applications in accordance with NEC articles 725, 800 and 820.

### Conductor

20 AWG  
Solid annealed bare copper conductors  
Diameter: 0.032" | 0.813mm

### Electrical

DC resistance: 10.3  $\Omega$  / 1000' | 33.9  $\Omega$ /KM  
Shield DCR: 2.70  $\Omega$  / 1000' | 8.86  $\Omega$ /KM  
Mutual capacitance: 16.0 pF/FT | 52.48 pF/M  
Impedance: 75  $\pm$  3  $\Omega$   
Velocity of Propagation: 82%  
Voltage rating: 300V  
SRL 5-300 MHz: -20dB

### Insulation

Foam polyethylene  
Wall thickness: 0.056" | 1.42mm  
Diameter: 0.142" | 3.61mm

### Regulatory

NEC: CM 75 °C  
CEC: CM 60 °C  
EU RoHS 2002/95/EC Compliant

### Color Code

Natural

### Packages

Reel: 1000' | 305M  
Weight: 34 Lbs/1000' | 51 Kg/KM

### Assembly

N/A

### Installation

Pull Tension: 57 Lbs | 253 N  
Bend radius: 2.40" | 61mm unloaded  
Bend radius: 4.80" | 122mm loaded

### Construct

N/A

### Applications

General purpose security video  
General purpose composite video cable  
General purpose Subwoofer audio cable and mono RCA audio

### Shield

95% 16x7/34 AWG bare copper braid shield

### Performance

CCTV to 493 feet  
Mono RCA audio 125 feet

### Jacket

Flame retardant polyvinyl chloride  
Colors: Black  
Wall thickness: 0.037" | 0.95mm  
Diameter: 0.240" | 6.10mm

### Final Outside Diameter (inches)

0.240

Specification Revision Date:

February 9, 2006





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RG59 Coaxial Sweep to 1.0 GHz

Frequency	Attenuation	
	dB/100FT	dB/100m
1	0.23	0.75
10	0.78	2.56
50	1.79	5.87
100	2.56	8.40
200	3.70	12.14
400	5.34	17.52
700	7.10	23.29
900	8.01	26.27
1000	8.51	27.91

