



## Technical Specifications

Product Line: **RG11-CATV**

### Description

14 AWG solid core CCS dual shielded RG11 CATV/DBS coaxial cable  
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

14 AWG  
Solid copper clad steel conductor  
Diameter: 0.0641" | 1.63mm

### Insulation

Foam polyethylene  
Wall thickness: 0.108" | 2.74mm  
Diameter: 0.280" | 7.11mm

### Color Code

Natural

### Assembly

N/A

### Construct

N/A

### Shield

100% bonded aluminum/poly/aluminum foil  
60% 16x6/34 AWG aluminum braid shield

### Jacket

Flame retardant polyvinyl chloride  
Colors: White, Black  
Wall thickness: 0.045" | 1.14mm  
Diameter: 0.405" | 10.29mm

Specification Revision Date:

### Electrical

DC resistance: < 11.0  $\Omega$  / 1000' | 36.08  $\Omega$ /KM  
Shield DCR: 6.9  $\Omega$  / 1000' | 22.63  $\Omega$ /KM  
Mutual capacitance: 16.2 pF/FT | 53.1 pF/M  
Impedance: 75  $\pm$  3  $\Omega$   
Velocity of Propagation: 82%  
Voltage rating: 300V  
SRL 5-2200 MHz: -20dB  
SRL 2.2-3 GHz: -17dB

### Regulatory

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

### Packages

Reel: 1000' | 305M  
Weight: 71 Lbs/1000' | 106 Kg/KM

### Installation

Pull Tension: 260 Lbs | 1156 N  
Bend radius: 4.05" | 103mm unloaded  
Bend radius: 8.10" | 206mm loaded

### Applications

General purpose CATV and DBS modulated video  
General Purpose CATV and DBS where DC is not required  
Broadband video and cable modem

### Performance

CATV to 379 feet  
CCTV to 253 feet

### Final Outside Diameter (inches)

0.405

January 12, 2006





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RG11 Coaxial Sweep to 3.0 GHz

Frequency	Attenuation	
	dB/100FT	dB/100m
1	0.17	0.56
50	0.89	2.92
100	1.21	3.97
200	1.68	5.51
400	2.37	7.77
900	3.77	12.37
1000	3.95	12.96
1450	4.75	15.58
1800	5.25	17.22
2200	5.75	18.86
3000	6.71	22.01

