



## Technical Specifications

**Product Line: RG6-BC-CATV-DB**

### Description

18 AWG solid core bare copper dual shielded RG6 CATV/DBS coaxial cable

Sunlight resistant and suitable for direct burial. Product manufactured compliant to the requirements of UL444 for installations and applications in accordance with NEC articles 725, 800 and 820.

### Conductor

18 AWG

Solid annealed bare copper conductors

Diameter: 0.040" | 1.02mm

### Insulation

Foam polyethylene

Wall thickness: 0.070" | 1.78mm

Diameter: 0.180" | 4.57mm

### Color Code

Natural

### Assembly

N/A

### Construct

Braid interstices flooded with water repellent silicone compound

### Shield

100% bonded aluminum/poly/aluminum

60% 16x4/34 AWG aluminum braid shield

### Jacket

Polyethylene

Colors: Black

Wall thickness: 0.030" | 0.76mm

Diameter: 0.272" | 6.91mm

Specification Revision Date:

### Electrical

DC resistance: 6.51  $\Omega$  / 1000' | 21.35  $\Omega$ /KM

Shield DCR: 9.70  $\Omega$  / 1000' | 31.80  $\Omega$ /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

Suitable for direct burial

Sunlight resistant

EU RoHS 2002/95/EC Compliant

### Packages

Reel: 1000' | 305M

Weight: 25 Lbs/1000' | 38 Kg/KM

### Installation

Pull Tension: 68 Lbs | 302 N

Bend radius: 2.72" | 70mm unloaded

Bend radius: 5.44" | 140mm loaded

### Applications

Outdoor CATV and DBS modulated video

Outdoor CATV and DBS where DC is required

Outdoor Broadband video and cable modem

### Performance

CATV to 237 feet

DBS to 158 feet

### Final Outside Diameter (inches)

0.272

June 15, 2007





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RG6 Coaxial Sweep to 3.0 GHz

Frequency	Attenuation	
	dB/100FT	dB/100m
1	0.28	0.92
50	1.46	4.79
100	2.04	6.69
200	2.83	9.28
400	4.05	13.28
900	6.23	20.43
1000	6.59	21.62
1450	7.93	26.01
1800	8.83	28.96
2200	9.76	32.01
3000	13.26	43.49

