



**Technical Specifications**

**Product Line: RG6-QUAD-DB**

**Description**

18 AWG solid core CCS 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 copper clad steel 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 repellant silicone compound

**Shield**

100% bonded aluminum/mylar  
60% 16x4/34 AWG aluminum braid shield  
100% aluminum/mylar  
40% 16x3/34 AWG aluminum braid shield

**Jacket**

Polyethylene  
Colors: Black  
Wall thickness: 0.029" | 0.74mm  
Diameter: 0.307" | 7.80mm

Specification Revision Date:

**Electrical**

DC resistance: 36.28  $\Omega$  / 1000' | 119  $\Omega$ /KM  
Mutual capacitance: 16.3 pF/FT | 53.46 pF/M  
Impedance: 75  $\pm$  3  $\Omega$   
Velocity of Propagation: 80%  
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: 31 Lbs/1000' | 47 Kg/KM

**Installation**

Pull Tension: 162 Lbs | 720 N  
Bend radius: 3.07" | 78mm unloaded  
Bend radius: 6.14" | 156mm 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)**

0.307

February 4, 2005





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RG6 Coaxial Sweep to 3.0 GHz

Frequency	Attenuation	
	dB/100FT	dB/100m
1	0.28	0.92
50	1.40	4.59
100	1.90	6.23
200	2.70	8.86
400	4.00	13.12
900	7.02	23.03
1000	7.40	24.27
1450	10.10	33.13
1800	10.90	35.75
2200	11.30	37.06
3000	13.26	43.49

