



**Technical Specifications**

**Product Line: RG6-US**

**Description**

18 AWG solid core CCS dual shielded RG6 CATV/DBS coaxial cable manufactured in the United States of America. 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**

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**

N/A

**Shield**

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

**Jacket**

Polyvinyl chloride  
Colors: Black, White  
Wall thickness: 0.028" | 0.70mm  
Diameter: 0.269" | 6.83mm

Specification Revision Date:

**Electrical**

DC resistance: 36.28  $\Omega$  / 1000' | 119  $\Omega$ /KM  
Shield DCR: 9.70  $\Omega$  / 1000' | 31.80  $\Omega$ /KM  
Mutual capacitance: 17.0 pF/FT | 55.76 pF/M  
Impedance: 75  $\pm$  3  $\Omega$   
Velocity of Propagation: 81%  
Voltage rating: 300V  
SRL 5-2200 MHz: -20dB  
SRL 2.2-3 GHz: -17dB

**Regulatory**

NEC: CMR 75 °C  
CEC: CMG FT4 60 °C  
EU RoHS 2002/95/EC Compliant

**Packages**

Reel: 1000' | 305M  
Weight: 29 Lbs/1000' | 44 Kg/KM

**Installation**

Pull Tension: 126 Lbs | 560 N  
Bend radius: 2.68" | 68mm unloaded  
Bend radius: 5.36" | 136mm loaded

**Applications**

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

**Performance**

CATV to 237 feet  
DBS to 158 feet

**Final Outside Diameter (inches)**

0.269

March 6, 2012





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RG6 Coaxial Sweep to 3.0 GHz

Frequency	Attenuation	
	dB/100FT	dB/100m
1		3.28
50	1.30	4.26
100	1.65	5.41
200	3.10	10.17
400	4.12	13.51
900	6.15	20.17
1000	6.48	21.25
1450	7.80	25.58
1800	8.83	28.96
2200	9.76	32.01
3000	14.61	47.92

