



**Technical Specifications**

**Product Line: RG6-P-CATV**

**Description**

18 AWG solid core CCS dual shielded RG6 CATV/DBS coaxial cable  
NEC type CMP and CEC type CMP FT6. 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

**Electrical**

DC resistance: 28.6  $\Omega$  / 1000' | 93.81  $\Omega$ /KM  
Shield DCR: 9.0  $\Omega$  / 1000' | 29.52  $\Omega$ /KM  
Mutual capacitance: 15.8 pF/FT | 51.82 pF/M  
Impedance: 75  $\pm$  3  $\Omega$   
Velocity of Propagation: 84%  
Voltage rating: 300V  
SRL 5-1000 MHz: -20dB  
SRL 1-3 GHz: -15dB

**Insulation**

Foam fluorinated ethylene propylene  
Wall thickness: 0.065" | 1.65mm  
Diameter: 0.170" | 4.32mm

**Regulatory**

NEC: CMP 75°C  
CEC: CMP FT6 60°C  
EU RoHS 2002/95/EC Compliant

**Color Code**

Natural

**Packages**

Reel: 1000' | 305M  
Weight: 42 Lbs/1000' | 63 Kg/KM

**Assembly**

N/A

**Installation**

Pull Tension: 126 Lbs | 560 N  
Bend radius: 2.45" | 63mm unloaded  
Bend radius: 4.90" | 126mm loaded  
Plenum cable should be conditioned at room temperature for 24 hours prior to installation and never installed below 32°F | 0°C ambient temperature

**Construct**

N/A

**Applications**

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

**Shield**

100% aluminum/polyester  
60% 16x4/34 AWG aluminum braid shield

**Performance**

CATV to 225 feet  
DBS to 150 feet

**Jacket**

Plenum rated polyvinyl chloride  
Colors: Black, White  
Wall thickness: 0.022" | 0.56mm  
Diameter: 0.245" | 6.22mm

**Final Outside Diameter (inches)**

0.245

Specification Revision Date:

November 18, 2008





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RG6 Coaxial Sweep to 3.0 GHz

Frequency	Attenuation	
	dB/100FT	dB/100m
1	0.38	1.25
50	1.48	4.85
100	2.12	6.95
200	3.04	9.97
400	4.64	15.22
900	8.24	27.03
1000	8.69	28.50
1450	11.11	36.44
1800	12.92	42.38
2200	14.80	48.54
3000	18.46	60.55

