

# BROADBAND CATV, MATV, DBS



Community Antenna Television,  
Master Antenna Television,  
Direct Broadcasting Satellite



## RG-59/U

### Application:

Distribution systems cable for sound signals,  
analogical and direct broadcasting television signals

### Center Conductor:

Copper Clad Steel  
20 AWG  
Nominal Diameter: 1 x 0.81mm

### Dielectric:

Foam Polyethylene  
Nominal Diameter: 3.66 mm / 0.144"

### Shield:

Aluminum Foil  
Aluminum Braid, 95% Coverage

### Jacket:

Black PVC  
Nominal Diameter of Cable: 6.0 mm +/- 0.3 / 0.236" +/- 0.01  
Weight: 54kg/km, 80lbs/1000ft

### Electrical Properties

Impedance @ 200MHz: 75  $\Omega$  +/- 2  
Capacitance: 67pF  
Conductor Resistance: Inner 210  $\Omega$ /km  
outer 45  $\Omega$ /km  
Velocity of Propagation: 80%  
Attenuation: @ 20°C / 68°F

@ Frequencies MHz	dB/100m	dB/100ft
5	4.0	1.2
250	14.1	4.3
400	18.0	5.5
1000	29.1	8.9