

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 Ω +/- 2
Capacitance: 67pF
Conductor Resistance: Inner 210 Ω /km
outer 45 Ω /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 |