

BROADBAND CATV, MATV, DBS



Community Antenna Television,
Master Antenna Television,
Direct Broadcasting Satellite



RG-6/U: 19VatC Classe B

19 dB Attenuation Indoor / Outdoor. ClassB

EN50117-1 / EN50117-5

Application:

Indoor and Outdoor distribution systems cable for sound signals,
analogical and digital broadcasting television signals.
Signal frequencies between 5 and 3000 MHz.

Center Conductor:

Copper-Clad Steel
18 AWG
Nominal Diameter 1 x 1.02 mm

Dielectric:

Skin Foam Polyethylene
Nominal Diameter: 4.6mm / 0.181"

Shield:

1st Shield Al/PES Foil 100% Coverage
2nd Shield Al Braid: 35% Coverage

Jacket:

White PVC -Indoor
Black PE-Outdoor
Nominal Diameter of Cable: 6.8mm +/-0.2 / 0.268" +/-0.01
Weight: 47kg/km, 31.6lbs/1000ft

Electrical Properties

Impedance @ 200MHz: 75 Ω +/- 2
Capacitance: 52pF +/- 3
Velocity of Propagation: 82%
Conductor Resistance: Inner 110 Ω /km
outer 65 Ω /km
Attenuation: @ 20°C / 68°F

@ Frequencies MHz	dB/100m	dB/100ft
100	7.1	2.2
200	9.0	2.7
800	19.0	5.8
1350	25.5	7.8
2150	33.4	10.2
3000	40.6	12.4

