

## Coaxial Cable

### RG59 Standard shield

#### Construction

	Material	Diameter (mm)
Inner Conductor	Bare Copper	0.70
Dielectric	Foam PE	3.70
First Shield	Bonded AL/P Foil	3.84
Second Shield	Aluminum wire	16x3x0.12
Jacket	PVC (Black)	6.10 +/-0.1

#### Electrical Characteristics

Capacitance (pF/m)	52+/-2
Impedance ( $\Omega$ )	75+/-3
Velocity of Propagation (%)	85.0
Return Loss (dB)	
5-1000 MHz	$\geq 20$
Screening Effectiveness	
5-1000 MHz	$\geq 70$

#### Attenuation ( 20 °C)

Frequency(MHz)	Max Attenuation (dB/100ft)	Max Attenuation (dB/100m)
5.0	0.8	2.5
10.0	0.9	2.8
50.0	2.0	6.5
100.0	2.7	8.9
200.0	3.9	12.8
400.0	5.6	18.5
700.0	7.0	22.9
900.0	8.2	26.8
1000.0	8.6	28.2

