

**RG6-40%BV****Construction**

	<b>Material</b>	<b>Diameter (mm)</b>
Inner Conductor	CCS-Copper Clad Steel	<b>1.02</b>
Dielectric	Foam PE	<b>4.60</b>
First Shield	Bonded Aluminum Foil	4.75
Second Shield	Aluminum wire Braid (40%)	<b>16/3/0.12mm</b>
Jacket	PVC	<b>6.86</b>

**Electrical Characteristics**

Impedance ( $\Omega$ )	75 $\pm$ 3
Capacitance (pF/m)	52 $\pm$ 2
Velocity of Propagation (%)	85.0
Return Loss	
5-1000 MHz (dB)	$\geq$ 22
1000-2000 MHz (dB)	$\geq$ 20
Screening Effectiveness	
5-1000 MHz (dB)	$\geq$ 70

**Attenuation ( @20 °C)**

Frequency(MHz)	Max Attenuation (dB/100ft)	Max Attenuation (dB/100m)
5	0.6	1.9
55	1.6	5.2
187	2.8	9.3
211	3.0	10.0
400	4.1	13.5
500	4.6	15.0
750	5.6	18.5
860	6.1	20.0
1000	6.6	21.5
1500	8.2	26.8
1800	8.8	28.9
2200	9.8	32.2
3000	11.5	37.6