

# Broadcast Coaxial Cables

## RG 175 BC

### Construction

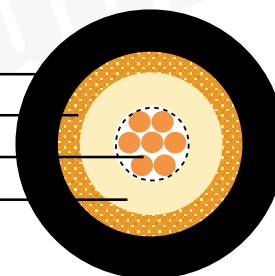
Inner conductor	Tinned copper	7 x 0.13 mm
Dielectric	Foam PE	$\Phi 1.70 \pm 0.10$ mm
Outer conductor	Tinned copper	80 x 0.10 mm
Shield coverage		92%
Sheath	PVC or LSZH	$\Phi 2.60 \pm 0.10$ mm

### Electrical & Mechanical Characteristics

Impedance	75 $\pm$ 5 Ohm
Nominal capacitance	56 pF/m
Velocity of propagation	66%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	20.5 Ohm/Km
Outer conductor resistance	30.0 Ohm/Km
Operating temperature range	-25 °C - +80 °C
Copper weight	6.9 Kg/Km
Cable weight (approx.)	11.3 Kg/Km
Screening effectiveness	>50 dB



PVC or LSZH sheath  
 Tinned copper outer conductor  
 Tinned copper inner conductor  
 Foamed PE dielectric



### Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
50	11.7	3.57
100	15.8	4.82
200	24.6	7.50
400	36.5	11.13
500	41.3	12.59
600	44.7	13.63
860	53.8	16.40
1000	57.7	17.59

### Return Loss

30-300 MHz	>20dB
300-600 MHz	>18dB
600-900 MHz	>16dB