

# RG Type 50 Ohm Coaxial Cables

## RG 174 PC

### Construction

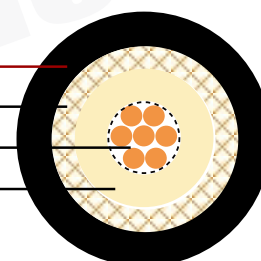
Inner conductor	Plain copper	7 x 0.16 mm
Dielectric	Low density PE	$\Phi 1.50 \pm 0.08$ mm
Outer conductor (shield)	Plain copper	64 x 0.10 mm
Shield coverage		88%
Sheath	PVC or LSZH	$\Phi 2.80 \pm 0.13$ mm

### Electrical & Mechanical Characteristics

Impedance	50 $\pm$ 3 Ohm
Nominal capacitance	100 pF/m
Velocity of propagation	66%
Insulation resistance	>2000 Mohm.Km
Inner conductor resistance	122 Ohm/Km
Outer conductor resistance	39 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Copper weight	6.1 Kg/Km
Cable weight (approx.)	12.7 Kg/Km
Screening effectiveness	>50 dB



PVC or LSZH sheath  
 Plain copper shield  
 Plain copper inner conductor  
 Low density PE dielectric



### Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
50	17.7	5.40
100	26.0	7.93
200	38.5	11.74
400	55.3	16.86
500	63.6	19.39
600	69.2	21.10
860	81.9	24.97
1000	88.3	26.92

### Return Loss

30-300 MHz	>26dB
300-600 MHz	>23dB
600-900 MHz	>20dB