



RG-213



Physical Construction and Dimensions

No.	Item	Material	G174	RG58	RG213
1	Center Conductor	Bare Copper or Tinned Copper	7 × 0.16mm	19 × 0.18mm	7 × 0.75mm
2	Dielectric	Solid PE	1.52mm Nominal	2.95mm Nominal	7.24mm Nominal
3	Shield	Bare Copper or Tinned Copper Braid Wire	90%–95% Coverage	90%–95% Coverage	90%–95% Coverage
4	Jacket	PVC	2.79 ± 0.1mm	4.95 ± 0.15mm	10.29 ± 0.2mm

Mechanical and Environmental Characteristics

Minimum Bending Radius	15mm	25mm	50mm
Tensile Strength	3.6kg	12.3kg	48kg
Operating Temperature	-40°C–80°C	-40°C–80°C	-40°C–80°C

Electrical Characteristics

Maximum DC Resistance of Center Conductor@20°C	126 Ω/km	37 Ω/km	5.7 Ω/km
Minimum Insulation Resistance	10000 MΩ × km	10000 MΩ × km	10000 MΩ × km
Nominal Velocity of Propagation	66%	66%	66%
Nominal Capacitance	101 pF/m	101 pF/m	101 pF/m
Impedance	50 ± 2 Ω	50 ± 2 Ω	50 ± 2 Ω
Shielding Effectiveness	> 55dB	> 55dB	> 55dB

Attenuation @ 20°C

RG174		RG58		RG213	
Frequency(MHz)	Max Value(dB/100m)	Frequency(MHz)	Max Value(dB/100m)	Frequency(MHz)	Max Value(dB/100m)
50	18.2	50	10.6	50	4.2
100	27.4	100	15.2	100	6.5
200	41.5	200	22.2	200	9.0
400	53.5	400	33.1	400	14.1
500	60.8	500	37.0	500	15.7
800	79.5	800	50.6	800	19.8
1000	97.2	1000	58.8	1000	24.2