

RG 59 Coaxial RF Cable

RG59 coaxial cable is a specific type of radio frequency (RF) coaxial cable primarily designed for transmitting low-power, 75-ohm characteristic impedance analog video and radio signals over short to medium distances.



Part No: TE-RFC-RG59-D6.15

Cable Structure			
	Layer	Material	Diameter
1	Inner Conductor	Bare Copper	0.81 mm
2	Insulation (Dielectric)	Foamed Polyethylene	3.68 mm
3	Outer Shield (1)	Tined Copper Braid	95% Coverage
4	Outer Shield (2)	Tined Copper Braid	
5	Jacket	PVC (Black)	6.15 mm



Physical Characteristics								
Cable Outer Dia.	6.15 mm			0.242 inch		Durability		> 1000
Weight	63 g/m					Working Temp.		-30°C to +75°C
Min Bending Radius	61 mm (static)					Max Pull Tension		33kg
Electrical Characteristics								
Frequency (GHz)	0.75	1.0	2.0	3.0	4.5	6.0	Impedance	75 ohms
							Cut-off Frequency	6 GHz
							Velocity	80%
Attenuation (dB/m)	0.29	0.35	0.53	0.68	0.88	1.05	Shielding Effectiveness	> 80 dB
Capacitance	55.8 pF/m					Vmax		1700 V
Power Handling	50W@3GHz					Insulation Resistance		≥ 5*10 ⁵ MΩ

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