

RG 6 Coaxial RF Cable

RG 6 is a 75-ohm coaxial radio frequency cable with a thicker center conductor. It is widely used for high-frequency signals like cable television, satellite, and broadband internet.

Part No: TE-RFC-RG6-D6.91



Cable Structure			
Layer		Material	Diameter
1	Inner Conductor	Solid Copper Wire	1.02 mm
2	Insulation (Dielectric)	Gas Expanded PE	4.57 mm
3	Outer Shield (1)	Aluminum Foil	4.75 mm
4	Outer Shield (2)	Aluminum Braid	5.22 mm
5	Jacket	PVC (Black)	6.91 mm



Physical Characteristics										
Cable Outer Dia.	6.91 mm			0.272 inch		Durability		> 1000		
Weight	75 g/m					Working Temp.		-30°C to +75°C		
Min Bending Radius	60 mm					Crush Tolerance		4000 N/m		
Electrical Characteristics										
VSWR Max	< 1.05:1						Impedance		75 ohms	
							Cut-off Frequency		3 GHz	
Insertion Loss (dB/m)	0.2GHz	0.8GHz	1GHz	1.8GHz	2.2GHz	3GHz	Velocity		85%	
	0.09	0.18	0.21	0.28	0.31	0.37	Shielding Effectiveness		> 80 dB	
Capacitance	53.1 pF/m						V _{max}		3000 V	
Power Handling	50W@1GHz						Insulation Resistance		≥ 5*10 ⁶ MΩ	

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