

RG 174 Coaxial RF Cable

RG-174 is a miniature 50-ohm coaxial cable designed for low-loss RF signal transmission in short-distance applications. Its slim profile makes it perfect for compact devices, testing equipment, GPS modules, WLAN, and automotive communications.



Part No: TE-RFC-RG174-D2.79

Cable Structure			
Layer		Material	Diameter
1	Inner Conductor	BC	0.16 mm
2	Insulation (Dielectric)	Solid PE	1.52 mm
3	Outer Shield 1	Copper Plated	1.90 mm
4	Jacket	PVC Black	2.79 mm



Physical Characteristics

Cable Outer Dia.	2.79 mm	0.110 inch	Durability	> 5000
Weight	14 g/m		Working Temp.	-40°C to +80°C
Min Bending Radius	Static (15mm)	Dynamic (40mm)	Armor Stress Tolerance	95N/25mm

Electrical Characteristics

VSWR Max	0.1GHz	0.4GHz	1GHz	3GHz	Impedance	50 ohms
	< 1.3				Cut-off Frequency	3 GHz
Insertion Loss (dB/m)	0.11	0.25	0.45	0.78	Velocity	66%
					Shielding Effectiveness	> 40 dB
Capacitance	101 pF/m				VRMS	1200 V
Power Handling	18W@3GHz				Insulation Resistance	≥ 1000MΩ

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