

RG 223 Coaxial RF Cable

RG 223 is a 50 Ω coaxial cable designed for reliable RF signal transmission with enhanced shielding effectiveness against interference. It features a silver-coated copper conductor, solid polyethylene dielectric, high-coverage shielding, and a durable black PVC jacket.

RG 223 CABLE – 50 OHM COAXIAL CABLE

Part No: TE-RFC-RG223-D5.3



Cable Structure		
Layer	Material	Diameter
1. Inner Conductor	SCC	0.90 mm
2. Insulation	SCC	2.95 mm
3. Outer Shield 1	Braided SCC	3.23 mm
4. Outer Shield 2	Braided SCC	3.96 mm
5. Jacket	Black PVC	5.3 mm



Physical Characteristics									
Cable Outer Dia.		5.3 mm					Durability		> 5000
Weight		~ 0.05kg/m					Working Temp.		-15°C to +85°C
Min Bending Radius		Static 22 mm					Dynamic 32 mm		
Electrical Characteristics									
VSWR Max	1GHz		2GHz		3GHz		Impedance		50 Ω
	≤ 1.30:1		≤ 1.40:1		≤ 1.50:1		Velocity of Prop.		83%
Insertion Loss (dB/100m)	0.2GHz	0.7GHz	1GHz	1.5GHz	2.4GHz	3GHz	Screening Effectiveness		> 90 dB
	23.6	43.9	54.2	67.8	87.8	98.5	Bending Amplitude Stability		±0.01dB@3GHz z
Capacitance	98(pF/m)					Bending Phase Stability		≤ 5°/m	
Power Handling	100W@3GHz					Insulation Resistance		≥5000MΩ	

TE TECH SOLUTION

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