

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	PTFE	2.95 mm
3	Outer Shield 1	Braided SCC	3.23 mm
4	Outer Shield 2	Braided SCC	3.96 mm
2	Jacket	Black PVC	5.3 mm



Physical Characteristics

Cable Outer Dia.	7.6 mm	0.301 inch	Durability	> 5000
Weight	0.5kg/m		Working Temp.	-55 $^{\circ}$ ~ +125 $^{\circ}$
Min Bending Radius	static 18.0mm		Armor Stress Tolerance	160N/25mm

Electrical Characteristics

VSWR Max	6GHz	18GHz	26.5GHz	Impedance	50 ohms
	1.15:1	1.25:1	1.30:1	Velocity	76%
Insertion Loss (dB)	0.93	1.55	2.0	Screening Effectiveness	> 90 dB
				Bending Amplitude Stability	≤±0.03dB@26.5GHz
Capacitance	27pf/ft=88pf/m			Bending Phase Stability	≤±2.7°@26.5GHz
Power Handling	156@18GHz			Insulation Resistance	≥5000MΩ

TE TECH SOLUTION

Head Office: Mala Bhawan, Near Lohar Basti, Rangamati, Sindri, Dhanbad Jharkhand – 828122
 R&D Centre: FF-02, 1st Floor, STPI Building, Near BIT Sindri, Sindri, Dhanbad, Jharkhand (India) – 828123
 Branch Office: 38, Hanuman Layout, 1st Cross, Ramchandrapura, Jalahalli – Post, Bangalore (India) – 560013
 Tel : +91-7829139667, 8910780736, 0326-3560859 | Email: enquiry@tetechsolution.com | www.tetechsolution.com



TE TECH SOLUTION

Head Office: Mala Bhawan, Near Lohar Basti, Rangamati, Sindri, Dhanbad Jharkhand – 828122

R&D Centre: FF-02, 1st Floor, STPI Building, Near BIT Sindri, Sindri, Dhanbad, Jharkhand (India) – 828123

Branch Office: 38, Hanuman Layout, 1st Cross, Ramchandrapura, Jalahalli – Post, Bangalore (India) – 560013

Tel : +91-7829139667, 8910780736, 0326-3560859 | Email: enquiry@tetechsolution.com | www.tetechsolution.com