

RG 213 Coaxial RF Cable

RG 213 is a coaxial cable designed for low-loss signal transmission in high-power and RF communication applications. It features a stranded bare copper conductor, solid polyethylene dielectric, and robust shielding with a durable black PVC jacket.



Part No: TE-RFC-RG213-D10.3

Cable Structure			
Layer		Material	Diameter
1	Inner Conductor	Bare copper wire	2.25 mm
2	Insulation (Dielectric)	Solid polyethylene	7.24 mm
3	Outer Shield (1)	Al-Mg foil with copper	0.12 mm
4	Outer Shield (2)	Al-Mg foil with copper	0.12 mm
5	Jacket	PVC (Black)	10.3 mm



Physical Characteristics					
Cable Outer Dia.	10.3 mm		0.405 inch	Durability	> 1000
Weight	165 g/m			Working Temp.	--30°C to +85°C
Min Bending Radius	Static (50 mm)			Crush Tolerance	14000 N/m
Electrical Characteristics					
VSWR Max	0.1GHz	1GHz	3GHz	Impedance	50 ohms
	1.15:1	1.30:1	1.50:1	Cut-off Frequency	3 GHz
Insertion Loss (dB/m)	0.065	0.250	0.623	Velocity	66%
				Shielding Effectiveness	> 60 dB
Capacitance	101 pF/m			V _{max}	5000 V
Power Handling	200W@1GHz			Insulation Resistance	≥ 10 ³ MΩ

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@tetechnsolution.com | www.tetechnsolution.com