

RG 405 Coaxial RF Cable

RG 405 is a high-performance 50-ohm coaxial cable with an overall outer diameter of 0.086 inches (2.18 mm) and engineered for high-frequency, radio frequency (RF) microwave applications.



Part No: TE-RFC-RG405-D2.6

Cable Structure			
Layer		Material	Diameter
1	Inner Conductor	Silver Plated Copper	0.56 mm
2	Insulation (Dielectric)	Solid extruded PTFE	1.70 mm
3	Outer Shield (1)	Tin-soaked tin plated copper	2.20 mm
4	Jacket	Fluoropolymer (Blue)	2.6 mm



Physical Characteristics

Cable Outer Dia.	2.6 mm	0.102 inch	Durability	> 1000
Weight	18 g/m		Working Temp.	-50°C to +125°C
Min Bending Radius	25 mm		Crush Tolerance	5000 N/m

Electrical Characteristics

VSWR	<1.2						Impedance	50 ohms
							Cut-off Frequency	20 GHz
Frequency (GHz)	0.5	1.0	3.0	5.0	10	20	Velocity	70%
Insertion Loss (dB/m)	0.45	0.64	1.26	1.51	2.22	3.29	Shielding Effectiveness	> 110 dB
Capacitance	95.1 pF/m						V _{max}	1500 V
Power Handling	24W@18GHz						Insulation Resistance	≥ 5*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