

RG 141 Semi-rigid Coaxial RF Cable

RG-141 is a 50 Ω semi-rigid coaxial cable designed for high-frequency RF and microwave applications. It features a soaked Tin-plated copper conductor, PTFE dielectric, and silver-plated center conductor, providing low signal loss, excellent shielding, and stable electrical performance..

Part No: TE-RFC-RG141-D4.95



Cable Structure			
Layer		Material	Diameter
1	Inner Conductor	Silver-plated copper	0.95 mm
2	Insulation (Dielectric)	PTFE	2.95 mm
3	Outer Shield	Soaked Tin-plated copper	3.58 mm
4	Jacket	FEP	4.95 mm



Physical Characteristics						
Cable Outer Dia.	4.95 mm		0.195 inch		Durability	> 1000
Weight	42 g/m				Working Temp.	-65°C to +165°C
Min Bending Radius	Static (8 mm) Dynamic (40 mm)				Crush Tolerance	20000 N/m
Electrical Characteristics						
VSWR Max	3.3GHz	9.9GHz	18.2GHz	33GHz	Impedance	50 ohms
	1.10 : 1	1.18 : 1	1.25 : 1	1.35 : 1	Cut-off Frequency	34 GHz
Insertion Loss (dB/m)	0.78	1.51	2.24	3.36	Velocity	70%
					Shielding Effectiveness	> 100 dB
Capacitance	92 pF/m				V _{max}	1900 V
Power Handling	30W@33GHz				Insulation Resistance	≥ 10 ⁶ MΩ

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