

RG 141 Coaxial RF Cable

Suco Flex Cable is a high-performance RF coaxial cable engineered for consistent impedance control, low attenuation, and dependable signal transmission in high-frequency applications. Its robust construction with PTFE dielectric and fluoropolymer jacket ensures excellent electrical stability and environmental resistance.

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



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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