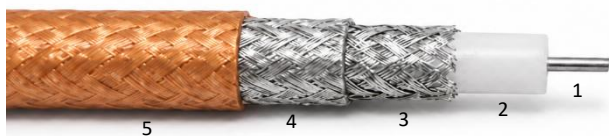


RG 142 Coaxial RF Cable

RG 142 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 brown FEP jacket.



Part No: TE-RFC-RG142-D4.95

Cable Structure			
Layer		Material	Diameter
1	Inner Conductor	SCC	0.94 mm
2	Insulation (Dielectric)	Solid PTFE	2.95 mm
3	Outer Shield 1	Braided SCC	3.43 mm
4	Outer Shield 2	Braided SCC	4.09 mm
5	Jacket	Brown FEP	4.95 mm



Physical Characteristics

Cable Outer Dia.	4.95 mm	0.195 inch	Durability	> 5000
Weight	60 g/m		Working Temp.	-55°C ~ +200 °C
Min Bending Radius	44 mm		Armor Stress Tolerance	160N/25mm

Electrical Characteristics

VSWR Max	0.1GHz	0.4GHz	1GHz	3GHz	5GHz	Impedance	50 ohms
	1.12:1	1.15:1	1.20:1	1.25:1	1.28:1	Cut-off Frequency	12.4 GHz
Insertion Loss (dB/m)	0.23	0.30	0.43	0.77	1.05	Velocity	76%
						Shielding Effectiveness	> 90 dB
Capacitance	95.50 pF/m					VRMS	3000 V
Power Handling	80W@8GHz					Insulation Resistance	≧ 5000MΩ

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