

RG 58 Coaxial RF Cable

RG-58 is a 50 Ω flexible RF coaxial cable designed for transmission of radio-frequency signals in communication, instrumentation, antenna, and electronic equipment.

Part No: TE-RFC-RG58-D4.95



Cable Structure			
Layer		Material	Diameter
1	Inner Conductor	Tined Plated Copper Wire	0.9 mm
2	Insulation (Dielectric)	Solid PE	2.95 mm
3	Outer Shield	TC Wire Braiding	3.6 mm
5	Jacket	PVC (Black)	4.95 mm



Physical Characteristics									
Cable Outer Dia.	4.95 mm			0.195 inch			Durability	> 1000	
Weight	43.18 g/m						Working Temp.	-30°C to +75°C	
Min Bending Radius	12.7 mm						Crush Tolerance	5000 N/m	
Electrical Characteristics									
VSWR Max	<1.5:1						Impedance	50 ohms	
							Cut-off Frequency	3 GHz	
Frequency (GHz)	0.05	0.1	0.2	0.4	1.0	2.0	Velocity	66%	
Insertion Loss (dB/m)	0.11	0.13	0.17	0.30	0.50	0.67	Shielding Effectiveness	> 60 dB	
Capacitance	101 pF/m						V _{max}	1900 V	
Power Handling	60W@1GHz						Insulation Resistance	≥ 5*10 ⁵ MΩ	

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