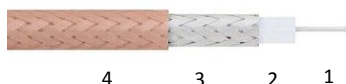


RG 178 Coaxial RF Cable

RG-178 is a miniature, high-temperature 50-Ohm coaxial cable featuring a highly durable solid PTFE dielectric and a protective outer FEP jacket. Measuring just 1.80 mm in diameter, its silver-plated copper-clad steel core and braided shielding deliver excellent signal clarity up to 3 GHz.

Part No: TE-RFC-RG178-D1.80



Cable Structure			
Layer		Material	Diameter
1	Inner Conductor	Silver Plated Copper Wire	0.10 mm
2	Insulation (Dielectric)	Solid PTFE	0.85 mm
3	Outer Shield	Tin Plated Copper Wire Braiding	1.37 mm
4	Jacket	FEP (Brown)	1.80 mm



Physical Characteristics					
Cable Outer Dia.	1.80 mm		0.071 inch	Durability	> 1000
Weight	40 g/m			Working Temp.	-50°C to +185°C
Min Bending Radius	Static (44 mm)			Crush Tolerance	1500 N/m
Electrical Characteristics					
VSWR Max	0.1GHz	1GHz	3GHz	Impedance	50 ohms
	1.05:1	1.15:1	1.35:1	Cut-off Frequency	3 GHz
Insertion Loss (dB/m)	0.43	1.38	2.42	Velocity	68%
				Shielding Effectiveness	> 60 dB
Capacitance	95.50 pF/m			V _{max}	1200 V
Power Handling	55W@1GHz			Insulation Resistance	≥ 3×10 ⁶ MΩ

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