

Section 10

COAXIAL CABLE and FITTINGS

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RG174A/U Miniature MIL SPEC Coaxial Cable, 50 Ohm



RG174A/U is a miniature MIL SPEC 50 ohm coaxial cable useful for frequencies up to 1 GHz. Typical uses include connecting electronic and telecommunications equipment or measuring instruments.

Available in cut lengths, the Order Code is **7877**. A 500 metre roll is also available at a reduced price per metre. The 500 metre roll Order Code is **7877-500**.



Construction Specifications RG174A/U Miniature, 50 Ohm (7877)

Centre Conductor	Copper Plated 7 Strand Steel, 0.48 mm
Dielectric	Polyethylene (PE), 1.48 mm
Overall Braid	Tinned Plated Copper
Jacket	Black PVC, 2.80 mm outside diameter.

Mechanical Specifications

Minimum Bend Radius	15.0 mm
Weight	1.2 kg per 100 metres
Operating Temperature	-40°C to +85°C

Electrical Specifications

Impedance	50 Ohms
Nominal Capacitance	100.7 pF/m
Velocity of Propagation	66%

Attenuation		Per 100 metres	Maximum Power	
Frequency	50 MHz	20 dB	50 MHz	160 Watts
	100 MHz	29 dB	100 MHz	80 Watts
	200 MHz	42 dB	200 MHz	80 Watts
	300 MHz	52 dB		
	400 MHz	61 dB	400 MHz	60 Watts
	500 MHz	69 dB		
	600 MHz	76 dB		
	700 MHz	82 dB		
	800 MHz	89 dB		
	900 MHz	95 dB		
	1,000 MHz	101 dB	1,000 MHz	35 Watts