

Coaxial Cable Specification

Specification		RG142B/U	Construction DWG.	
Construction Item		Component		
Inner Conductor	Diameter	18AWG (.037") (.94mm)		
	Material	SILVER PLATED COPPER CLAD STEEL		
Dielectric	Diameter	.116" [2.95mm]		
	Material	PTFE		
Braid Shield	Diameter	.155" (3.95)		
	Material	(2X) SILVER COATED COPPER BRAID (96% COVERAGE)		
Jacket	Diameter	.195" [4.95mm]		Marking On Surface N/A
	Material	FEP		
	Color	BROWN		
Electrical/Environmental Characteristics			Attenuation (Typical)	
Capacitance (pF/ft)	29.3	Frequency (MHz)	Attenuation (dB/100m)	
Impedance (Ω)	50	100	12.5	
Velocity (%)	70.0	400	25.6	
Max. Oper. Voltage (VMS)	1900	1000	42.0	
Max. Oper. Frequency (GHz)	8	3000	78.1	
		5000	105.0	
Mechanical and Environmental Characteristics				
Min Bend Radius (in/mm)	.98" [25mm]	Operating Temperature (°C/°F)	-55°C to +200°C	
Listings/Ratings: ROHS COMPLIANT				
Packaging: 100.0 FT/LOGO BAG; 500.0 FT/SPOOL W/STRETCH WRAP; 1,000.0 FT/ W/STRETCH WRAP				



(Information subject to change without notice)