

RG TYPE COAXIAL CABLE	RG142		
DIMENSIONS			
Center Conductor Diameter			
(inch)	0.037		
(mm)	0.94		
Dielectric Diameter			
(inch)	0.116		
(mm)	2.95		
Braid Diameter			
(inch)	0.162		
(mm)	4.11		
Jacket			
(inch)	0.195		
(mm)	4.95		
MATERIAL SPECIFICATIONS			
Jacket	FEP		
Braid	SPC (1st Braid 97%; 2nd 94%)		
Dielectric	PTFE		
Center Conductor	Solid SPCW		
ELECTRICAL CHARACTERISTICS			
Impedance	50ohm		
Capacitance (Nominal)			
(pF/ft)	32		
(pF/m)	105		
Velocity of Propagation (%)	65.9		
Maximum Working Voltage	1400		
Max. Cond. Resistance			
(Ohms/100Ft)	1.95		
(Ohms/100m)	6.4		
Corona Extinction Voltage			
(K VRMS)	1.9		
Min. Dielectric Strength			
(KV RMS)	5		
Max Operating			
Frequency(GHz)	6		
Typical Attenuation At 20°C	Attenuation		Power
Average Power (Watts At 20°C)	dB/ 100Ft	dB/ 100M	
100MHz	4.6	15	1400
400MHz	9.2	30	650
1GHz	15	49.2	400
2.4GHz	24.3	80	250
5GHz	36.6	120	180
MECHANICAL CHARACTERISTICS			
Max. Operating Temperature (°C)	-55/+200		
Min. Bend Radius	Static	Dyamic	
(inch)			
(mm)	1	1.979	
	25.4	50	
Weight			
(g/Ft)	19		
(g/M)	63		

This part number complies with RoHS.

Notice: JYEBAO reserves the right to make modifications deemed appropriate.