

HALOGEN FREE COAXIAL CABLES	RG142-E		
DIMENSIONS			
Center Conductor Diameter			
(inch)	0.037		
(mm)	0.95		
Dielectric Diameter			
(inch)	0.117		
(mm)	2.98		
Braid Diameter			
(inch)	0.169		
(mm)	4.3		
Jacket			
(inch)	0.197		
(mm)	5		
MATERIAL SPECIFICATIONS			
Jacket	PE(Black)		
Braid	SPC (Double Braid)		
Dielectric	SPEX		
Center Conductor	SPC		
ELECTRICAL CHARACTERISTICS			
Impedance	50 Ohm		
Capacitance (Nominal)			
(pF/ft)	29		
(pF/m)	95		
Velocity of Propogation (%)	70.9		
Maximum Working Voltage			
(K VRMS)	2.5		
Min Dielectric Strength			
(KV RMS)	5		
Typical Attenuation	Attenuation		Power
Max Power (Watts)	dB/ 100Ft	dB/ 100M	
300MHz	8.3	27.2	411
600MHz	12.3	40.3	290
1.2GHZ	18.5	60.7	205
1.8GHZ	23.7	77.7	168
2.4GHz	28.3	92.8	145
3GHz	32.7	107.3	130
3.9GHz	38.8	127.3	114
4.8GHz	44.5	146	103
6GHz	51.7	169.6	92
MECHANICAL CHARACTERISTICS			
Max. Operating Temperature (°C)	-40/+80		
Min. Bend Radius			
(inch)	1.18		
(mm)	30		
Weight			
(g/Ft)	18.3		
(g/M)	60		

This part number complies with RoHS.

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