

JBY LOW LOSS COAXIAL CABLE		JBY100	
DIMENSIONS			
Center Conductor Diameter (inch / mm)	0.018 / 0.46		
Dielectric Diameter (inch / mm)	0.06 / 1.52		
Outer Conductor Diameter (inch / mm)	0.063 / 1.60		
Diameter over Overall Braid (inch / mm)	0.083 / 2.1		
Jacket Diameter (inch / mm)	0.11 / 2.79		
MATERIAL SPECIFICATIONS			
Jacket	Black PVC		
Overall Braid	Tinned Copper		
Outer Conductor	Aliminium Tape		
Dielectric	Solid Polyethylene		
Center Conductor	Bare Coppper		
ELECTRICAL CHARACTERISTICS			
DC resistance inner conductor (Ohms/1000Ft) (Ohms/1000m)	26.8 88		
DC resistance outer conductor (Ohms/1000Ft) (Ohms/1000m)	14.5 47.57		
Impedance	50±2		
Capacitance (Nominal) (pF/ft) (pF/m)	25.3 83		
Inductance (uH/ft) (uH/m)	0.077 0.25		
Velocity of propagation (%)	66		
Dielectric strength	DC500V		
Peak power rating	0.6kW		
Cutt off frequency (GHz)	90GHz		
Shielding effectiveness	>90dB		
Typical Attenuation Average Power (Watts) 30MHz 50MHz 150MHz 220MHz 450MHz 900MHz 1500MHz 1800MHz 2000MHz 2500MHz 5800MHz	Attenuation		Power
	dB/100Ft	dB/100M	
	3.93	12.9	230
	5.09	16.7	180
	8.96	29.4	100
	10.91	35.8	83
	15.82	51.9	57
	22.84	74.9	39
	30.09	98.7	29
	33.23	109	27
	35.21	115.5	25
	39.82	130.6	22
64.12	210.3	13	
MECHANICAL CHARACTERISTICS			
Max. Operating Temperature	-40°C to +85°C		
Min. Bend Radius (inch) (mm)	Static	Dynamic (25 Bendings Max)	
	0.25 6.4	1 25.4	
Weight (g/Ft) (g/M)	4.6 15.1		

This part number complies with RoHS.

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