

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	Aluminium Tape			
Dielectric	Solid Polyethylene			
Center Conductor	Bare Copper			
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			
Shielding effectiveness	>90dB			
Typical Attenuation Average Power (Watts)	Attenuation		Power	
	dB/100Ft	dB/100M		
	30MHz	3.93	12.9	230
	50MHz	5.09	16.7	180
	150MHz	8.96	29.4	100
	220MHz	10.91	35.8	83
	450MHz	15.82	51.9	57
	900MHz	22.84	74.9	39
	1500MHz	30.09	98.7	29
	1800MHz	33.23	109	27
	2000MHz	35.21	115.5	25
	2500MHz	39.82	130.6	22
5800MHz	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.