



LOW LOSS COAXIAL CABLE	5001A	
DIMENSIONS		
Center Conductor Diameter (inch)	0.0113	
(mm)	0.285	
Dielectric Diameter (inch)	0.036	
(mm)	0.92	
Diameter over Inner Foil (inch)	0.040	
(mm)	1.02	
Diameter over Outer Foil (inch)	0.044	
(mm)	1.12	
Diameter over Outer Braid (inch)	0.050	
(mm)	1.33	
Jacket Diameter (inch)	0.069	
(mm)	1.75	
MATERIAL SPECIFICATIONS		
Jacket	FEP	
Outer Braid	Round silver plated copper	
Outer Foil	Aluminum Tape	
Inner Foil	Flat silver plated copper Tape	
Dielectric	Solid PTFE	
Center Conductor	Solid silver plated copper	
ELECTRICAL CHARACTERISTICS		
Impedance	50±2	
Capacitance (Nominal) (pF/ft)	29.4	
(pF/m)	96.4	
Velocity of Propagation (%)	70	
Cutt Off Frequency (GHz)	110	
Shielding Effectiveness	> -110dB	
Max. Attenuation (dB/100Ft)	Attenuation	
	dB/100Ft	dB/100M
400MHz	24.09	79
1GHz	38.11	125
3GHz	67.07	220
5GHz	87.50	287
10GHz	127.44	418
18GHz	174.70	573
25GHz	209.76	688
30GHz	232.32	762
35GHz	254.57	835
40GHz	275.91	905
45GHz	298.17	978
50GHz	322.56	1058
55GHz	333.23	1093
60GHz	354.27	1162
65GHz	377.74	1239
70GHz	397.87	1305
MECHANICAL CHARACTERISTICS		
Max. Operating Temperature (°C)	-55/ +200	
Min. Bend Radius	Static	Dynamic
(inch)	0.15	0.3
(mm)	3.8	7.6
Weight		
(g/Ft)	2.1	
(g/M)	6.8	

*Cable wrapped around a 5cm diameter mandrel.

This part number complies with RoHS.

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