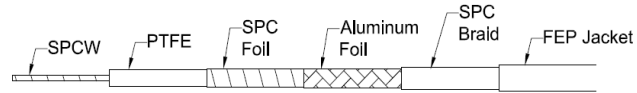


JYEBAO



LOW LOSS COAXIAL CABLE		5002A				
DIMENSIONS						
Center Conductor Diameter	(inch)	0.0201				
	(mm)	0.51				
Dielectric Diameter	(inch)	0.0641				
	(mm)	1.63				
Diameter Over Inner Foil	(inch)	0.0708				
	(mm)	1.8				
Diameter Over Outer Foil	(inch)	0.0748				
	(mm)	1.9				
Diameter over Outer Braid	(inch)	0.0885				
	(mm)	2.25				
Jacket Diameter	(inch)	0.104				
	(mm)	2.64				
MATERIAL SPECIFICATIONS						
Jacket	FEP(BLUE)					
Braid	Round Silver Plated Copper					
Outer Foil	Aluminum Tape					
Inner Foil	Silver Plated Copper Tape					
Dielectric	Solid PTFE					
Center Conductor	Solid SPCW					
ELECTRICAL CHARACTERISTICS						
Impedance	50±2					
Capacitance (Nominal)	(pF/ft)	29.4				
	(pF/m)	96.4				
Velocity of Propagation (%)	70					
Cutt Off Frequency (GHz)	70					
Shielding Effectiveness	> -110dB					
Max. Attenuation	Attenuation		Power			
Max Power (Watts)	dB/100Ft	dB/100M				
400MHz	14	45.9	240			
1GHz	23	75.4	160			
3GHz	39	128	80			
5GHz	52	170.6	57			
10GHz	80	262.4	44			
18GHz	110	361	33			
25GHz	131	430	29			
30GHz	146	479	26			
35GHz	160	525	23			
40GHz	173	567	22			
45GHz	183	600	20			
50GHz	195	640	18			
55GHz	212	681	17			
60GHz	221	724	16			
65GHz	234	768	15			
70GHz	245	803	14			
Operating Frequency	18GHz	26.5GHz	40GHz	50GHz	70GHz	
Phase Stability v.s. Bending ¹	±1.0° typ/ ±1.5° max	±1.5° typ/ ±2.0° max	±2° typ/ ±3.5° max	±3° typ/ ±8° max	±5° typ/ ±10° max	
Amplitude Stability v.s. Bending ²	±°0.015dB typ/ ±0.03dB max	±°0.02dB typ/ ±0.04dB max	±°0.03dB typ/ ±0.06dB max	±°0.04dB typ/ ±0.08dB max	±°0.05dB typ/ ±0.10dB max	
MECHANICAL CHARACTERISTICS						
Max. Operating Temperature (°C)	-55/ +200					
Min. Bend Radius	Static		Dynamic			
(inch)	0.2		0.79			
(mm)	5.1		20			
Flex Life Cycles ³	N/A		≥ 100000			
Weight						
(g/Ft)	6.1					
(g/M)	20					

¹ Per IEC 60966-1, section 8.6, method 1.

² Per IEC 60966-1, section 8.4

³ Per IEC 60966-1, section 9.3

This part number complies with RoHS.

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

Phase Change vs. Temperature.(5002A)

