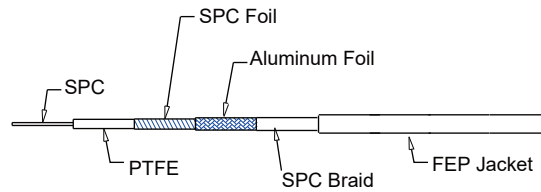


JYEBAO



LOW LOSS COAXIAL CABLE		5003A				
DIMENSIONS						
Center Conductor Diameter (inch)						0.037
(mm)						0.94
Dielectric Diameter (inch)						0.1165
(mm)						2.96
Diameter Over Inner Foil (inch)						0.124
(mm)						3.14
Diameter Over Outer Foil (inch)						0.128
(mm)						3.24
Diameter over Outer Braid (inch)						0.14
(mm)						3.56
Jacket Diameter (inch)						0.163
(mm)						4.14
MATERIAL SPECIFICATIONS						
Jacket						FEP(BLUE)
Braid						Round silver plated copper
Outer Foil						Aluminium Foil
Inner Foil						Silver Plated Copper Foil
Dielectric						Solid PTFE
Center Conductor						Solid SPC
ELECTRICAL CHARACTERISTICS						
Impedance						50±2
Capacitance (Nominal) (pF/ft)						29.4
(pF/m)						96.4
Velocity of Propagation (%)						70
Cutt Off Frequency (GHz)						40
Shielding Effectiveness						> -110dB
Max. Attenuation (dB/100Ft)	Attenuation		Power			
Max Power (Watts)	dB/100Ft		dB/100M			
400MHz	8		26.3		1100	
1GHz	13		42.6		550	
3GHz	23		75.4		350	
5GHz	30		98.4		245	
10GHz	45		148		140	
18GHz	64		210		87	
25GHz	78		256		75	
30GHz	87		286		68	
35GHz	96		315		61	
40GHz	104		342		56	
Operating Frequency	3GHz	6GHz	12.4GHz	18GHz	26.5GHz	40GHz
Phase Stability v.s. Bending ¹	±0.5° typ/ ±1° max	±0.75° typ/ ±1.5° max	±1° typ/ ±2° max	±1.5° typ/ ±3° max	±2° typ/ ±4° max	±3° typ/ ±6° max
Amplitude Stability v.s. Bending ²	±0.005dB typ/ ±0.01dB max	±0.0075dB typ/ ±0.015dB max	±0.01dB typ/ ±0.02dB max	±0.015dB typ/ ±0.03dB max	±0.02dB typ/ ±0.04dB max	±0.03dB typ/ ±0.06dB max
MECHANICAL CHARACTERISTICS						
Max. Operating Temperature (°C)						-55/ +200
Min. Bend Radius (inch)	Static		Dynamic			
(mm)	0.4		1.57			
Flex Life Cycles ³	10		40			
Weight (g/Ft)	N/A		≥ 20000			
(g/M)			13.5			
			44.3			

¹ Per IEC 60966-1, section 8.6, method1.

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.(5003A)

