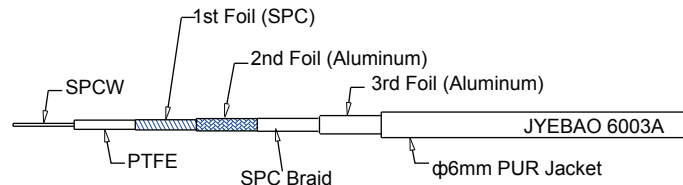


JYEBAO



LOW LOSS COAXIAL CABLE		6003A				
DIMENSIONS						
Center Conductor Diameter (inch) (mm)			0.037 0.94			
Dielectric Diameter (inch) (mm)			0.117 2.96			
Diameter Over 1 st Foil (inch) (mm)			0.123 3.14			
Diameter Over 2 nd Foil (inch) (mm)			0.128 3.25			
Diameter over Braid (inch) (mm)			0.141 3.58			
Diameter over 3 rd Foil (inch) (mm)			0.145 3.68			
Jacket Diameter (inch) (mm)			0.2362 6			
MATERIAL SPECIFICATIONS						
Jacket	PUR(BLUE)					
3rd Foil	Aluminium Foil					
Braid	Round silver plated copper					
2nd Foil	Aluminium Foil					
1st Foil	Silver Plated Copper Foil					
Dielectric	Solid PTFE					
Center Conductor	Solid SPC					
ELECTRICAL CHARACTERISTICS						
Impedance	50±2					
Capacitance (Nominal) (pF/ft) (pF/m)			29.4 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		26.2		230	
1GHz	13		42.6		130	
3GHz	23		75.4		70	
5GHz	30		98.4		55	
10GHz	45		147.6		38	
18GHz	64		209.9		28	
25GHz	78		255.8		26	
30GHz	87		285.4		24	
35GHz	96		314.9		23	
40GHz	104		341.1		22	
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)	-40/ +85					
Min. Bend Radius (inch) (mm)	Static 0.71 18			Dynamic 2.36 60		
Flex Life Cycles ³	N/A			≥ 20000		
Weight (g/Ft) (g/M)			18.5 61			

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.(6003A)

