

LOW LOSS COAXIAL CABLE		5002			
<b>DIMENSIONS</b>					
Center Conductor Diameter					
(inch)		0.0201 ±0.001			
(mm)		0.51 ± 0.0254			
Dielectric Diameter					
(inch)		0.064 ±0.005			
(mm)		1.63 ±0.127			
Inner Braid Diameter					
(inch)		0.071 ±0.005			
(mm)		1.8 ±0.127			
Diameter over Outer Braid					
(inch)		0.086 ±0.005			
(mm)		2.18 ±0.127			
Jacket Diameter					
(inch)		0.104 ±0.005			
(mm)		2.64 ±0.127			
<b>MATERIAL SPECIFICATIONS</b>					
Jacket		FEP			
Outer Braid		Round silver plated copper			
Inner Braid		Flat silver plated copper strip			
Dielectric		Solid PTFE			
Center Conductor		Solid silver plated copper Clad Steel			
<b>ELECTRICAL CHARACTERISTICS</b>					
Impedance		50±2			
Capacitance (Nominal)					
(pF/ft)		29.4			
(pF/m)		96.4			
Velocity of Propagation (%)		70			
Cutt Off Frequency (GHz)		63			
Shielding Effectiveness		> -110dB			
Max. Attenuation		Attenuation			
Max Power (Watts)		Power			
		dB/100Ft             dB/100M			
400MHz		14             45.9             240			
1GHz		23             75.4             160			
3GHz		39             127.9             80			
5GHz		52             170.6             57			
10GHz		80             262.4             44			
18GHz		110             360.8             33			
25GHz		131             429.7             29			
30GHz		146             478.9             26			
35GHz		160             524.8             23			
40GHz		173             567.4             22			
45GHz		183             600.2             20			
50GHz		195             639.6             18			
Max Phase Stability vs. Flexure*		10 GHz		2°	
		18 GHz		6°	
		30 GHz		8°	
		40 GHz		10°	
<b>MECHANICAL CHARACTERISTICS</b>					
Max. Operating Temperature (°C)		-55/+200			
Min. Bend Radius					
(inch)		0.25			
(mm)		6.35			
Weight					
(g/Ft)		6			
(g/M)		19.7			

\*Cable wrapped around a 5 cm diameter mandrel

**This part number complies with RoHS.**

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